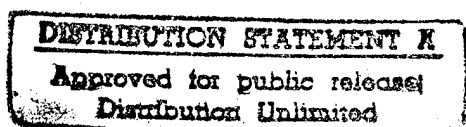


Research, Development, Test and Evaluation
Program (R-1), Department of Defense
Budget for Fiscal Year 1983

(U.S.) Department of Defense
Washington, DC

8 Feb 82



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Preface

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Office of the Assistant Secretary of Defense

Comptroller

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UNCLASSIFIED

DEPARTMENT OF DEFENSE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

SUMMARY

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY BY APPROPRIATION				
RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,124,274	3,609,535	4,484,000	5,284,734
RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,024,866	5,807,131	6,232,300	7,746,511
RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035
RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,308,948	1,697,646	2,259,900	2,912,069
DIRECTOR OF TEST + EVALUATION, DEFENSE	42,100	53,000	60,000	63,702
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	16,633,535	20,043,622	24,256,600	27,455,051
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	614,816	694,644	828,093	927,847
EXPLORATORY DEVELOPMENT	1,985,285	2,212,464	2,508,843	2,879,765
ADVANCED DEVELOPMENT	2,806,278	3,475,946	4,689,386	6,826,501
ENGINEERING DEVELOPMENT	6,394,647	7,683,308	8,918,892	8,534,212
MANAGEMENT AND SUPPORT	1,735,852	2,008,888	2,223,830	2,409,403
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	13,536,878	16,075,250	19,169,044	21,577,728
OPERATIONAL SYSTEMS DEVELOPMENT	3,096,657	3,968,372	5,087,556	5,877,323
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	16,633,535	20,043,622	24,256,600	27,455,051

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DEPARTMENT OF DEFENSE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	2,600,101	2,907,108	3,336,936	3,807,612
ADVANCED TECHNOLOGY DEVELOPMENT	593,333	735,448	951,748	1,261,054
STRATEGIC PROGRAMS	3,440,397	4,643,427	6,647,050	7,762,462
TACTICAL PROGRAMS	6,129,710	6,899,753	7,575,746	8,095,383
INTELLIGENCE AND COMMUNICATIONS	1,632,102	2,202,026	2,772,475	3,312,372
DEFENSEWIDE MISSION SUPPORT	2,237,892	2,655,860	2,972,645	3,216,168
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	16,633,535	20,043,622	24,256,600	27,455,051

SUMMARY RECAP OF FYDP PROGRAMS

STRATEGIC FORCES	682,723	713,179	853,817	882,106
GENERAL PURPOSE FORCES	712,870	848,120	1,250,140	1,386,915
INTELLIGENCE AND COMMUNICATIONS	1,660,858	2,362,035	2,953,312	3,579,502
AIRLIFT/SEALIFT	26,935	30,485	12,604	7,310
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	13,536,878	16,075,250	19,169,044	21,577,728
CENTRAL SUPPLY AND MAINTENANCE	10,337	10,958	13,738	17,350
TRAINING MEDICAL AND OTHER	615	1,000	1,157	1,378
SUPPORT OF OTHER NATIONS	2,319	2,595	2,788	2,762
TOTAL RESEARCH, DEVELOPMENT, TEST & EVALUATION	16,633,535	20,043,622	24,256,600	27,455,051

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

SUMMARY

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	144,372	178,116	221,823	242,709
EXPLORATORY DEVELOPMENT	364,718	408,564	477,878	576,202
ADVANCED DEVELOPMENT	674,278	940,558	1,667,165	2,137,403
ENGINEERING DEVELOPMENT	1,230,593	1,160,016	1,039,866	1,120,078
MANAGEMENT AND SUPPORT	535,831	682,813	789,389	869,511
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	2,949,792	3,370,167	4,196,121	4,945,903
OPERATIONAL SYSTEMS DEVELOPMENT	174,482	239,368	287,879	338,831
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,124,274	3,609,535	4,484,000	5,284,734
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	509,090	586,680	699,701	818,911
ADVANCED TECHNOLOGY DEVELOPMENT	159,401	210,652	314,528	486,841
STRATEGIC PROGRAMS	266,632	462,109	919,001	869,305
TACTICAL PROGRAMS	1,568,778	1,572,970	1,678,959	2,108,900
INTELLIGENCE AND COMMUNICATIONS	42,395	47,157	73,056	109,311
DEFENSEWIDE MISSION SUPPORT	577,978	729,967	798,755	891,466
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,124,274	3,609,535	4,484,000	5,284,734
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	3,200	19,252	48,447	58,376
GENERAL PURPOSE FORCES	132,060	159,316	184,983	195,935
INTELLIGENCE AND COMMUNICATIONS	39,222	60,800	54,449	84,520
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	2,949,792	3,370,167	4,196,121	4,945,903
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY	3,124,274	3,609,535	4,484,000	5,284,734

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983	FY 1984 U	
1	61101A IN-HOUSE LAB INDEPENDENT RESEARCH	1	19,476	21,506	21,902	24,611 U	
2	61102A DEFENSE RESEARCH SCIENCES	1	124,896	156,610	199,921	218,098 U	
3	62105A MATERIALS	1	11,719	10,450	9,615	11,551 U	
4	62111A ATMOSPHERIC INVESTIGATIONS	1	6,208	5,534	5,045	6,995 U	
5	62120A FUZE/NUCLEAR WPNS EFFECTS/FLUIDICS	1	5,783	5,225	6,532	11,381 U	
6	62201A AIRCRAFT WEAPONS TECHNOLOGY	1	1,666	2,094	2,492	3,303 U	
7	62202A AIRCRAFT AVIONICS TECHNOLOGY	1	5,475	5,967	8,389	9,404 U	
8	62209A AERONAUTICAL TECHNOLOGY	1	18,208	18,044	24,349	27,642 U	
9	62210A AIRDROP TECHNOLOGY	1	1,188	1,540	1,688	2,144 U	
10	62303A MISSILE TECHNOLOGY	1	25,922	30,041	37,651	37,575 U	
11	62307A HIGH ENERGY LASER TECHNOLOGY	1	18,759	22,926	31,327	34,096 U	
12	62601A TANK AND AUTOMOTIVE TECHNOLOGY	1	11,441	14,648	19,925	26,500 U	
13	62603A LARGE CAL AND NUCLEAR TECHNOLOGY	1	26,521	19,750			
14	62617A SMALL CAL AND FIRE CNTRL TECHNOLOGY	1	12,117	11,470	9,902	12,216 U	
15	62618A BALLISTICS TECHNOLOGY	1	19,606	21,841	21,637	25,234 U	
16	62622A CHEMICAL MUNITIONS/CHEMICAL CMBT SPT	1	7,279	18,468	14,829	16,810 U	
17	62623A JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	1			3,706	2,113 U	
18	62701A COMMUNICATIONS TECH	1	8,067	7,545	9,719	8,931 U	
19	62703A CMBT SURV TARGET ACQ/ID	1	5,097	2,214	2,918	4,883 U	
20	62704A MIL ENVIRONMENTAL CRITERIA DEV	1	2,319	2,755	2,584	3,378 U	
21	62705A ELECTRICAL AND ELECTRONIC DEVICES	1	15,135	15,275	17,725	18,613 U	

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FY 1983 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

PROGRAM ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983	FY 1984 C	
22	62706A CHEM BIOLOGICAL DEF/GEN INVEST	1	13,169	22,899	29,589	48,316	U
23	62707A MAPPING - GEODESY	1	5,020	5,750	6,830	8,962	U
24	62709A NIGHT VISION INVESTIGATIONS	1	12,673	13,154	14,101	13,934	U
25	62715A TACTICAL ELECTRONIC WARFARE TECHNOLOGY	1	8,554	9,707			
26	62716A HUMAN FACTORS ENGR IN SYS DEV	1	7,005	8,547	9,173	11,409	U
27	62717A HUMAN PERFORMANCE EFFECT/SIMULATION	1	3,196	3,373	3,581	4,369	U
28	62719A MOBILITY AND WEAPONS EFFECTS TECH	1	5,251	6,266	8,410	9,402	U
29	62720A ENVIRONMENTAL QUALITY TECH	1	6,437	7,483	8,706	9,527	U
30	62722A MANPOWER/PERSONNEL/TRAINING	1	6,203	5,922	7,370	8,510	U
31	62723A CLOTHING EQUIP AND SHELTER TECH	1	5,371	5,574	6,970	7,251	U
32	62724A JT SVC FOOD SYS TECH	1	6,552	5,556	5,595	7,012	U
33	62725A COMPUTER AND INFORMATION SCIENCE	1	2,058	1,794	1,966	2,181	U
34	62727A NON-SYSTEM TRAINING DEVICES	1	2,691	2,657	2,900	4,709	U
35	62730A COLD REGIONS ENGINEERING TECHNOLOGY	1	4,262	5,443	6,660	6,966	U
36	62731A MILITARY FACILITIES ENGINEERING TECHNOLOGY	1	3,735	3,397	4,250	4,422	U
37	62732A RPV SUPPORTING TECHNOLOGY	1	1,456		1,588	3,447	U
38	62733A MOBILITY EQUIPMENT TECHNOLOGY	1	10,007	10,164	11,278	12,717	U
39	62734A MED DEFENSE AGAINST CHEM AGENTS	1	5,260	25,785	26,865	37,123	U
40	62746A TACTICAL ADP TECH	1	7,024	8,029	7,076	6,003	U
41	62770A MILITARY DISEASE HAZARDS. TECH	1	16,194	17,115	24,979	29,805	U
42	62772A COMBAT CASUALTY CARE TECH	1	15,495	6,749	6,682	8,486	U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
43	62775A COMBAT MAXILLOFACIAL INJURY	1	615	1,473	2,619	3,044 U
44	62777A SYSTEMS HEALTH HAZARD PREVENT TECH	1	12,545	13,963	18,066	21,385 U
45	62781A ENERGY TECH APPL FOR MILITARY FACIL	1	1,435	1,977	1,891	2,102 U
	TECHNOLOGY BASE		509,090	586,680	699,701	818,911
46	63102A MATERIALS SCALE-UP	2	4,056	3,986	7,478	16,061 U
47	63104A FUELS AND LUBRICANTS	2	695	1,304	1,871	3,878 U
48	63201A AIRCRAFT POWER PLANTS AND PROPULSION	2	3,868	2,963	8,660	33,504 U
49	63206A AIRCRAFT WEAPONS	2	1,941	497	5,581	16,253 U
50	63207A AIRCRAFT AVIONICS EQUIPMENT	2	3,695	2,312	4,494	6,868 U
51	63209A AIR MOBILITY SUPPORT	2	247	1,809	3,784	7,464 U
52	63211A ROTARY WING CONTROLS/ROTORS/STRUCTURES	2	12,306	28,438	33,809	45,459 U
53	63216A SYNTHETIC FLIGHT SIMULATORS DEVELOPMENT	2	3,926	5,980	3,522	8,278 U
54	63218A AIRDROP EQUIP AND TECHNIQUES	2	1,775	2,695	1,688	2,084 U
55	63220A LIGHT HELIC ADVAN TECH DEMONSTRATION	2			944	14,060 U
56	63221A NOE AVIATION AND NAVIGATION EQUIPMENT	2		2,336	1,899	8,932 U
57	63306A TERMINALLY GUIDED PROJECTILES	2	10,774	1,997	6,814	23,610 U
58	63313A MSL/ROCKET COMPONENTS	2	4,229	311	9,181	14,024 U
59	63314A HI-ENERGY LASER COMPONENTS	2			33,116	42,581 U
60	63324A HIGH TECHNOLOGY TEST BED	2			10,711	8,261 U
61	63602A ADVANCED LAND MOB SYSTEMS CONCEPTS	2	34,008	9,217	7,767	30,865 U
62	63606A LANDMINE WARFARE/BARRIER DEV	2	4,345	10,768	9,324	11,335 U

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
						THOUSANDS OF DOLLARS
63	63607A JOINT SERVICE SMALL ARMS PROGRAM (JSSAP)	2	1,999	5,487	3,466	3,934 U
64	63621A COMBAT VEHICLE PROPULSION SYS	2	4,475	12,897	12,918	17,622 U
65	63631A CMBT VEH TURRET AND CHASSIS SUBSYS	2	3,225	7,854	11,146	12,935 U
66	63636A COMBAT VEHICLE ARMOR/ANTI-ARMOR	2			10,888	11,233 U
67	63702A ELECTRIC POWER SOURCES	2	3,052	5,072		U
68	63710A NIGHT VISION ADVANCED DEVELOPMENT	2	17,896	35,617	30,224	34,816 U
69	63725A REMOTELY PILOTED VEHICLES/DRONES	2	5,125	4,508	4,166	6,600 U
70	63731A MANPOWER AND PERSONNEL	2	3,359	4,103	9,747	12,077 U
71	63732A COMBAT MEDICAL MATERIAL	2	132	190		U
72	63734A COMBAT ENGINEERING SYSTEMS	2		269	2,730	2,127 U
73	63737A ANTI-RADIATION MSL COUNTER MEASURES	2				
74	63739A HUMAN FACTORS IN TNG/OPER EFFECT	2	1,948	3,111	3,755	6,496 U
75	63742A ADV ELECTRONIC DEVICES DEV	2		2,233	4,006	4,902 U
76	63743A EDUCATION AND TRAINING	2	7,807	9,361	9,764	9,820 U
77	63744A TRAINING SIMULATION	2	1,530	2,212	2,790	3,152 U
78	63747A SOLDIER SUPPORT/SURVIVABILITY	2	3,842	3,134		U
79	63748A ADV DEV OF AUTOMATIC TEST EQ/SYS	2	8,392	9,619	11,335	11,519 U
80	63749A TECHNICAL VULNERABILITY REDUCTION	2	5,968	12,899	10,198	10,234 U
81	63750A DRUG AND VACCINE DEVELOPMENT	2	4,786	5,073		U
82	63751A MEDICAL DEFENSE AGAINST CHEM WARFARE	2		2,933		U
83	63752A DEMILITARIZATION CONCEPTS	2		9,467	12,766	13,768 U

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C E
						THOUSANDS OF DOLLARS
84	63761A ELEC WRFR VULN/SUSCEP TECH SUPPORT	2				
85	63762A ELECTRONIC WARFARE FEASIBILITY DEVELOPMENT	2			4,995	8,138 U
86	63763A INDUSTRIAL BASE BIO WRFR VACCINES/DRUGS	2			4,951	5,354 U
87	63765A NONTACTICAL ADP TECHNOLOGY	2			495	492 U
	ADVANCED TECHNOLOGY DEVELOPMENT		159,401	210,652	314,528	486,841
88	63304A BMD ADVANCED TECHNOLOGY	3	123,222	126,494	143,243	151,464 U
89	63308A BALLISTIC MSL DEF SYS TECH	3	143,410	335,615	727,311	659,465 U
90	12814A SPECIAL PROGRAM	3				
91	12817A MOBILE COMMAND CENTERS	3			4,961	49,249 U
92	12821A CLASSIFIED PROGRAM	3				
	STRATEGIC PROGRAMS		266,632	462,109	919,001	869,305
93	63215A JOINT SURVIVABILITY INVESTIGATIONS	4	645	930	1,103	1,117 U
94	63222A SPECIAL ELECTRONIC MISSION AIRCRAFT-X	4			498	14,259 U
95	63302A HIGH-TO-MEDIUM AIR DEFENSE DEV	4			27,172	34,548 U
96	63303A SURF-TO-SURF MSL ROCKET SYS	4	281	2,989	16,407	31,224 U
97	63307A SHORT RANGE AIR DEF SELF PROT WPN	4	1			U
98	63316A ADVANCED ROCKET CONTROL SYSTEM	4	21,178		27,869	53,992 U
99	63320A CORPS SUPPORT WEAPON SYSTEM	4	14,294	10,727	6,103	22,465 U
100	63323A LIGHT WEIGHT AIR DEFENSE SYSTEM	4			3,466	14,751 U
101	63604A NUCLEAR MUNITIONS AND RADIACS	4	1,891	3,568		

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	
102	63608A WEAPONS AND AMMUNITION (H)	4	1,999				U
103	63612A RATTLER	4	16,006		17,900		31,269 U
104	63615A LETHAL CHEMICAL MUNITIONS CONCEPTS	4	870	8,157	13,733		20,377 U
105	63619A LANDMINE/BARRIER SYS	4	2,830	6,050	4,595		19,932 U
106	63627A COMBAT SUPPORT MUNITIONS	4	3,384	3,149	2,700		13,700 U
107	63628A FIELD ARTILLERY AMMO DEV	4	11,905	24,647	23,951		32,623 U
108	63629A DIVISION SUPPORT WEAPONS SYSTEM	4	5,696	2,032	8,941		79,127 U
109	63632A ARMORED CNBT LOG SPT VEHICLE FAMILY	4	4,188	101			6,350 U
110	63633A TANK AND MORTAR AMMUNITION DEVELOPMENT	4			9,053		12,680 U
111	63635A MOBILE PROTECTED GUN	4		7,955	37,354		48,156 U
112	63702A ELECTRIC POWER SOURCES	4			2,998		5,197 U
113	63705A PHYSICAL SECURITY	4	2,269	3,813	5,452		6,897 U
114	63706A IDENTIFICATION-FRIEND OR FOE DEV	4	2,902	9,469	6,146		11,020 U
115	63707A COMMUNICATIONS DEVELOPMENT	4	21,668	6,318			
116	63711A AIRCRAFT SURVIVABILITY EQUIPMENT	4	3,582	12,162	3,563		25,516 U
117	63713A ADDS-ARMY DATA DISTRIBUTION SYSTEM	4		18,664	32,886		19,657 U
118	63718A EW VULN/SUSC	4			25,164		32,199 U
119	63719A SPECIAL PURPOSE DETECTORS	4					5,565 U
120	63721A CHEMICAL DEFENSE MATERIEL CONCEPTS	4	17,393	20,026	26,542		28,799 U
121	63723A COMMAND AND CONTROL	4	13,880	20,939	22,133		41,232 U
122	63726A COMBAT SUPPORT EQUIPMENT	4	5,736	6,707	8,113		13,781 U

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	C
123	63730A TACTICAL SURVEILLANCE SYSTEM	4	10,282	14,984			
124	63732A COMBAT MEDICAL MATERIAL	4			224		260 U
125	63737A ANTI-RADIATION MSL COUNTER MEASURES	4	4,343	5,305			U
126	63740A DIV AIR DEFENSE CMD/CNTRL	4	12,029	9,171	4,399		8,344 U
127	63741A METEOROLOGIC EQUIPMENT DEVELOPMENT	4					2,821 U
128	63745A TAC ELECTRONIC SPT MEASURE SYS	4	14,575	13,911			
129	63746A SINGLE CHANNEL GRD/ABN RADIO SUB-SYS	4	25,088	13,682	17,862		U
130	63747A SOLDIER SUPPORT/SURVIVABILITY	4			2,251		5,855 U
131	63750A DRUG AND VACCINE DEVELOPMENT	4			8,796		12,957 U
132	63751A MEDICAL DEFENSE AGAINST CHEM WARFARE	4			2,924		39,632 U
133	63753A BATTLEFIELD DATA SYSTEMS	4			1,891		5,429 U
134	63755A TAC ELEC C/M SYS	4	9,901	17,793			
135	63764A MEDICAL CHEM DEFENSE LIFE SUPPORT MAT	4			36,189		30,430 U
136	63766A TACTICAL ELECTRONIC SURVEILLANCE SYS	4					
137	64202A AIRCRAFT WEAPONS	4	6,571	3,495	686		576 U
138	64204A AIR MOBILITY SUPPORT EQUIPMENT	4	508	2,308	2,245		6,357 U
139	64206A UH-60A BLACKHAWK	4		6,140	6,708		13,450 U
140	64207A ADVANCED ATTACK HELICOPTER	4	172,941	91,874	33,725		39,448 U
141	64212A COBRA TOW	4	2,487	19,616	12,245		4,419 U
142	64213A CH-47 MODERNIZATION	4	570				U
143	64216A AIRCRAFT PROPULSION SYSTEMS	4			1,007		4,317 U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	E
144	64217A SYNTHETIC FLIGHT TRAINING SYSTEMS	4	560	3,063	30,951	21,053	U
145	64218A AIRDROP EQUIP DEVELOPMENT	4	1,008	2,918	3,136	4,144	U
146	64220A ARMY HELICOPTER IMPROVEMENT PROG	4	25,657	38,497	75,811	55,666	U
147	64221A SURVEILLANCE SYSTEM	4		3,910	12,868	11,241	U
148	64222A JOINT SERVICE ROTARY WING AIRCRAFT DEVEL	4			49,765	77,290	U
149	64268A AIRCRAFT COMPONENT IMPROVEMENT PROGRAM	4			10,996	17,635	U
150	64306A STINGER	4	5,657	16,121			U
151	64307A PATRIOT (SAM-D)	4	75,362	57,812	47,076	86,076	U
152	64309A ROLAND	4	12,613				U
153	64310A HELIBORNE MISSILE-HELLFIRE	4	51,515	24,225	19,327	285	U
154	64311A PERSHING II	4	149,377	150,580	111,301	23,598	U
155	64313A GRASS BLADE	4	43,713	29,826	17,117	9,546	U
156	64314A MULTIPLE LAUNCH ROCKET SYS	4	69,925	38,172	23,215		U
157	64316A FIRE AND FORGET HELLFIRE	4	4,766				U
158	64318A DIVISION AIR DEFENSE GUN	4	65,203	29,949	10,918		U
159	64321A JOINT TACTICAL FUSION PROGRAM	4		30,417			
160	64601A INFANTRY SUPPORT WEAPONS	4	4,853	11,707	5,601	4,870	U
161	64603A NUCLEAR MUNITIONS	4	13,163	33,920			
162	64608A ARMY SMALL ARMS PROGRAM	4	748	393			U
163	64609A COMBAT SUPPORT SYSTEMS	4	707	3,037	2,640	4,431	U
164	64610A LETHAL CHEMICAL MUNITIONS	4	76	2,169		3,616	U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
185	64612A COUNTERMINE AND BARRIERS	4	1,999	2,974	6,192	7,677 U
186	64614A FLD ARTY WPNS/AMMO (155MM) (H)	4	341			U
187	64616A FIGHTING VEHICLE SYS	4	41,651	103,393	50,488	33,512 U
188	64619A LANDMINE WARFARE	4	11,133	4,943	9,701	7,459 U
189	64620A TANK SYSTEMS	4	51,540	28,407	11,961	U
170	64621A COPPERHEAD	4	6,026	3,294	2,075	U
171	64623A VIPER (H)	4	7,774			U
172	64624A HIGH MOBILITY MULTI-PURPOSE VEHICLE	4	4,670	3,013	2,743	U
173	64626A FIRE INTEGRATION SPT TEAM VEH	4	8,432	9,600	6,926	U
174	64628A INDIRECT FIRE TRAINING MUNITIONS	4		1,337		1,445 U
175	64630A TANK GUN COOPERATIVE DEVELOPMENT	4	61,473	82,724	54,342	61,252 U
176	64631A FLD ARTY AMMUNITION	4	2,243	1,460	2,573	15,824 U
177	64632A 105MM TANK AMMUNITION	4	5,005	5,195	1,059	7,938 U
178	64701A COMM ENGINEERING DEV	4	5,909	8,865	11,705	14,004 U
179	64702A JOINT TACTICAL INFO DISTRIBUTION SYSTEMS	4		15,854	14,556	12,472 U
180	64704A UNATTENDED GROUND SENSORS	4	3,955	6,927	4,135	U
181	64705A MODULAR INTEGRATED COMM AND NAVIGATION SYS	4		17,589	14,754	7,637 U
182	64706A RADIOLOGICAL DEFENSE EQUIPMENT	4	318	308	838	968 U
183	64709A IDENTIFICATION-FRIEND OR FOE EQ	4	1,410	2,418	2,660	4,793 U
184	64710A NIGHT VISION DEVICES	4	4,359	5,326	4,931	5,777 U
185	64711A AIRCRAFT SURVIVABILITY EQUIPMENT	4	12,942	14,406	20,335	17,019 U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983	FY 1984 U	
186	64712A TACTICAL C3 SYSTEMS ENGINEERING	4	9,578	8,110	14,900	23,021	U
187	64713A COMBAT FEEDING, CLOTHING AND EQUIPMENT	4	1,951	2,531	2,574	5,276	U
188	64714A TACTICAL ELECTRICAL POWER SOURCES	4	3,061	1,533	1,805	5,962	U
189	64717A GENERAL COMBAT SUPPORT	4	8,748	8,001	5,967	11,600	U
190	64718A PHYSICAL SECURITY	4	6,147	5,761	5,099	6,157	U
191	64722A EDUCATION AND TRAINING	4			995	4,723	U
192	64723A SPECIAL PURPOSE DETECTORS	4	746				U
193	64724A BIOLOGICAL DEFENSE MATERIEL	4	2,047	1,034	391		U
194	64725A CHEMICAL DEFENSE MATERIEL	4	17,423	37,696	26,017	45,288	U
195	64727A COMMAND AND CONTROL	4	19,564	14,965	13,650	26,486	U
196	64730A REMOTELY PILOTED VEHICLES	4	56,669	73,094	77,949	110,138	U
197	64740A TACTICAL SURVEILLANCE SYSTEM	4	2,466	4,696			U
198	64745A TAC ELECTRONIC SPT MEASURE SYS	4	29,007	7,780			U
199	64746A AUTOMATIC TEST SUPPORT SYSTEMS	4		4,983	2,940	6,812	U
200	64748A STANDOFF TARGET ACQUISITION SYSTEM	4	57,486				U
201	64750A TAC ELEC C/M SYS	4	5,250	5,621			U
202	64751A SINGLE CHANNEL GRD/ABN RADIO SUB ENG	4				16,672	U
203	64753A BATTLEFIELD DATA SYSTEMS	4			27,868	43,333	U
204	64757A MEDICAL CHEMICAL DEFENSE LIFE SPT MAT	4				4,935	U
205	64758A DRUG AND VACCINE DEVELOPMENT	4				4,935	U
206	64766A TACTICAL ELECTRONIC SURVEILLANCE SYS	4					U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
207	64779A JT INTEROPERABILITY TAC COMD/CNTRL	4	23,176	29,465	30,066	48,038 U
208	65710A JOINT CB CONTACT POINT AND TEST	4	729	1,413	1,451	2,218 U
209	23724A HV ANTI-TANK ASSAULT WPN SYS (TOW)	4	22,731	6,569	1,981	1,967 U
210	23726A ADV FIELD ARTY TAC DATA SYS	4	2,129	5,958	7,224	28,446 U
211	23730A CHAPARRAL	4	22,908	19,616	26,381	24,518 U
212	23731A SAM HAWK/HAWK IMP PROG	4	9,481	39,435	37,971	27,125 U
213	23733A LANCE (NNL) WARHEAD (H)	4	707			U
214	23735A COMBAT VEHICLE IMPROVE PROG	4	20,322	29,395	46,785	49,637 U
215	23739A AN/TSQ-73 MODIFICATIONS	4	1,330	532	1,025	U
216	23740A MANEUVER CONTROL SYSTEM (MCS)	4	7,877	14,825	14,947	9,858 U
217	23741A PROD IMPR VULCAN AIR DEF SYS	4	9,491			U
218	23742A COMMUNICATIONS SYSTEM ENGINEERING PROGRAM	4			1,485	1,869 U
219	28010A JT TACTICAL COMM PROG	4	35,084	42,986	47,184	52,515 U
220	33142A SATCOM GROUND ENVIRONMENT	4	23,562	41,524		U
221	33145A EUCOM C3 SYSTEMS	4	1,133	4,016	527	4,948 U
	TACTICAL PROGRAMS		1,568,778	1,572,970	1,678,959	2,108,900
222	63712A MAPPING AND GEODESY	5	1,999	1,042	3,424	1,065 U
223	64201A AIRCRAFT AVIONICS	5	4,511	11,503	3,799	20,302 U
224	64716A MAPPING AND GEODESY	5	309	100		3,599 U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

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APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	THOUSANDS OF DOLLARS
225	64778A NAVSTAR GLOBAL PGS SYS (USER EQ)	5	17,849		11,911		4,773 U
226	12814A SPECIAL PROGRAM	5					
227	31022A SCIENTIFIC AND TECH INTELLIGENCE (H)	5					
228	31307A FOREIGN SCIENCE AND TECHNOLOGY CENTER	5					
229	31327A TECHNICAL RECONN AND SURVEILLANCE	5					
230	33111A STRATEGIC ARMY COMMUNICATIONS	5	684	788	812		954 U
231	33126A LONG-HAUL COMMUNICATIONS (DCS)	5	7,267	7,460	7,578		7,492 U
232	33142A SATCOM GROUND ENVIRONMENT	5			35,545		57,043 U
233	33401A COMMUNICATIONS SECURITY	5	6,118	6,946			
	INTELLIGENCE AND COMMUNICATIONS		42,395	47,157	73,056		109,311
234	63718A EW VULNERABILITY/SUSCEPTIBILITY	6	17,429	22,226			U
235	63738A NON-SYSTEM TRAINING DEVICES	6	1	1,380			6,343 U
236	64268A ACFT ENGINE COMPONENT IMPROVE PROG	6	8,579	11,609			U
237	64715A NON-SYSTEM TNG DEVICES ENGR	6	12,211	11,253	8,645		16,054 U
238	64726A METEOROLOGICAL EQUIPMENT SYSTEMS	6	4,656	2,099	2,172		1,776 U
239	65102A TRADOC STUDIES AND ANALYSES	6	1,400	1,543	3,287		3,429 U
240	65201A AVIATION ENGINEERING FLIGHT ACTIVITY	6	4,365	5,432	5,791		6,714 U
241	65301A KWAJALEIN MISSILE RANGE	6	125,475	139,351	152,140		151,601 U
242	65702A SUPPORT OF DEVELOPMENT TESTING	6	22,804	36,635	43,180		56,377 U
243	65706A MATERIEL SYSTEMS ANALYSIS	6	9,874	12,435	13,166		14,216 U
244	65709A EXPLOITATION OF FOREIGN ITEMS	6	1,480	1,953	2,021		2,737 U

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DEPARTMENT OF THE ARMY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 2040 A RESEARCH DEVELOPMENT TEST + EVAL, ARMY

DATE: 08 FEB 1982

LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
THOUSANDS OF DOLLARS							
245	65712A	SUPPORT OF OPERATIONAL TESTING	6	36,119	42,584	50,106	60,283 U
246	65715A	DEFENSE SYSTEMS MANAGEMENT COLLEGE	6	1,144	203	202	201 U
247	65801A	PROGRAM-WIDE ACTIVITIES	6	51,693	63,591	70,101	72,037 U
248	65802A	INTL COOPERATIVE RESEARCH AND DEV	6	645	980	1,041	1,093 U
249	65803A	TECHNICAL INFO ACTIVITIES	6	3,588	4,628	5,249	6,179 U
250	65804A	DARCOM MAJOR RANGE/TEST FACIL	6	239,981	278,874	300,671	337,847 U
251	65805A	MUNITIONS-STANDARDIZATION EFFECT AND SAFETY	6	5,776	7,083	8,047	10,734 U
252	65806A	DOD HIGH ENERGY LASER SYSTEMS TEST FAC	6		40,224	34,030	32,177 U
253	65807A	MAINSITE	6			17,119	38,595 U
254	65872A	PRODUCTIVITY INVESTMENT FUNDING	6		3,889	34,139	21,658 U
255	65890A	INSTL AUDIOVISUAL SPT (R/D)	6		2,278	2,344	2,408 U
256	65898A	MGT HQ (RESEARCH/DEVELOPMENT)	6	30,758	39,717	45,304	49,007 U
		DEFENSEWIDE MISSION SUPPORT		577,978	729,967	798,755	891,466
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, ARMY							
				3,124,274	3,609,535	4,484,000	5,284,734

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

SUMMARY

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	241,418	276,221	313,388	345,050
EXPLORATORY DEVELOPMENT	461,328	493,582	540,039	591,117
ADVANCED DEVELOPMENT	1,265,393	1,616,459	1,865,475	3,100,327
ENGINEERING DEVELOPMENT	1,887,327	2,061,883	2,012,311	1,920,313
MANAGEMENT AND SUPPORT	482,276	558,300	602,307	656,302
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	4,337,742	5,006,445	5,333,520	6,613,109
OPERATIONAL SYSTEMS DEVELOPMENT	687,124	800,686	898,780	1,133,402
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,024,866	5,807,131	6,232,300	7,746,511
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	702,746	769,803	853,427	936,167
ADVANCED TECHNOLOGY DEVELOPMENT	149,898	152,186	165,122	242,849
STRATEGIC PROGRAMS	404,779	526,529	668,939	1,829,577
TACTICAL PROGRAMS	3,107,230	3,546,340	3,678,085	3,671,319
INTELLIGENCE AND COMMUNICATIONS	152,868	215,274	247,806	400,138
DEFENSEWIDE MISSION SUPPORT	507,345	596,999	618,921	666,461
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,024,866	5,807,131	6,232,300	7,746,511
SUMMARY RECAP OF FYDP PROGRAMS				
STRATEGIC FORCES	282,603	265,542	279,845	394,785
GENERAL PURPOSE FORCES	280,549	363,066	453,701	508,712
INTELLIGENCE AND COMMUNICATIONS	123,357	171,078	164,077	228,527
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	4,337,742	5,006,445	5,333,520	6,613,109
TRAINING MEDICAL AND OTHER	615	1,000	1,157	1,378
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY	5,024,866	5,807,131	6,232,300	7,746,511

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984
1	61152N IN-HOUSE LAB INDEPENDENT RESEARCH	1	20,396	21,516	23,337	26,190 U
2	61153N DEFENSE RESEARCH SCIENCES	1	221,022	254,705	290,051	318,860 U
3	62241N AIRCRAFT TECHNOLOGY	1	28,657	24,297	27,414	31,865 U
4	62331N MISSILE PROPULSION TECHNOLOGY	1	9,349	9,247	9,616	9,864 U
5	62332N STRIKE WARFARE WEAPONRY TECHNOLOGY	1	31,130	20,400	29,808	31,481 U
6	62542N NUCLEAR PROPULSION TECHNOLOGY	1	44,639	47,576	53,624	58,735 U
7	62543N SHIPS/SUBS/BOATS TECH	1	35,016	38,251	44,156	48,501 U
8	62633N UNDERSEA WARFARE WEAPONRY TECHNOLOGY	1	21,526	25,022	25,064	31,079 U
9	62711N UNDERSEA TARGET SURVEILLANCE TECH	1	36,806	35,810	37,966	42,560 U
10	62712N SURF/AEROSPACE TARGET SURVEIL TECH	1	29,575	33,634	35,016	36,593 U
11	62721N COMMAND/CONTROL TECHNOLOGY	1	35,381	29,161	30,577	35,609 U
12	62734N COUNTERMEASURES TECHNOLOGY	1	25,036	27,931	29,144	31,507 U
13	62735N HIGH ENERGY LASER TECH	1	38,276	57,487	63,210	69,440 U
14	62757N HUMAN FACTORS/SIMULATION TECH	1	5,863	6,487	8,055	8,447 U
15	62758N BIOMEDICAL TECHNOLOGY	1	10,061	10,619	8,996	9,589 U
16	62759N OCEAN/ATMOSPHERIC SUPPORT TECHNOLOGY	1	22,545	21,585	20,557	21,827 U
17	62760N LOGISTICS TECHNOLOGY	1	11,808	13,340	14,177	15,724 U
18	62761N MATERIALS TECHNOLOGY	1	29,777	33,121	33,019	35,875 U
19	62762N ELECTRONIC DEVICE TECHNOLOGY	1	24,010	26,076	27,134	29,341 U
20	62763N PERSONNEL & TRNG TECH	1	5,734	6,377	7,259	7,736 U
21	62764N CHEM/BIOLOGICAL/RADIOLOGICAL DEFENSE TECH	1	730	1,754	1,789	2,545 U

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
22	62765N ENERGY AND ENVIRONMENTAL PROTECTION	1	6,550	7,443	6,451	6,728 U
23	62766N LAB INDEPENDENT EXPLORATORY DEV	1	8,859	11,967	12,091	12,310 U
24	62768N DIRECTED ENERGY TECHNOLOGY	1		5,997	14,916	13,761 U
	TECHNOLOGY BASE		702,746	769,803	853,427	936,167
25	63202N AVIONICS	2	3,314	3,745	3,822	10,342 U
26	63203N ADV HELICOPTER DEV	2	4,577	4,790		U
27	63207N ENVIRONMENTAL APPLICATIONS	2	4,654	4,684	7,094	9,616 U
28	63210N ADV A/C PROPUL SYS	2	14,504	8,990	10,113	10,182 U
29	63216N AIRBORNE LIFE SUPPORT SYSTEMS	2	4,521	3,140	3,483	2,752 U
30	63217N ADVANCED AIRCRAFT SUBSYSTEMS	2		4,500	4,928	11,457 U
31	63251N AIRCRAFT SYSTEMS	2	5,930	3,744	3,430	6,671 U
32	63303N ERASE SYS TECHNOLOGY	2	4,277	5,963	5,849	6,635 U
33	63306N ADV A/L ASM SYSTEMS	2	5,389	3,838	4,011	4,283 U
34	63308N A/A MSL ADV TECH DEMOS	2	2,871	4,262	2,923	3,233 U
35	63508N SHIP PROPULSION SYSTEM	2	15,798	18,184	20,457	34,471 U
36	63526N ADV COMPUTER TECH	2	5,514	4,534	3,272	4,085 U
37	63573N ELECTRIC DRIVE	2			9,767	20,754 U
38	63574N JOINT ORDNANCE DEV	2				U
39	63609N SURFACE LAUNCHED MUNITIONS	2	3,927	4,220	4,331	4,349 U
40	63654N JT SERV EXPLOSIVE ORD DEV	2	3,063	3,330	4,957	5,114 U
41	63701N HUMAN FACTORS ENG DEV	2	2,875	3,050	2,604	3,567 U

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				E FY 1984 C
			FY 1981	FY 1982	FY 1983	FY 1984 U	
42	63704N OCEANOGRAPHIC INSTRUMENTATION DEV	2	2,456	2,902	2,999	6,300 U	
43	63706N MEDICAL DEVELOPMENT	2	9,428	12,234	8,858	9,890 U	
44	63707N MNPWR CONTROL SYS DEV	2	3,129	2,773	3,511	2,793 U	
45	63709N ADVANCED MARINE BIOLOGICAL SYSTEM	2	3,415	3,789	3,980	5,339 U	
46	63710N MAN-MACHINE TECHNOLOGY	2			1,365	1,413 U	
47	63712N ADV MODUL COMPN DEMONST	2	1,020			U	
48	63713N OCEAN ENGINEERING TECH DEVELOPMENTS	2	14,819	11,624	13,194	22,171 U	
49	63720N EDUCATION AND TRAINING	2	4,742	3,691	3,496	4,438 U	
50	63721N ENVIRONMENTAL PROTECTION	2	2,913	6,693	8,151	12,614 U	
51	63722N NAVAL SPECIAL WARFARE	2	4,969	5,037	6,037	7,289 U	
52	63727N NAV TECH INFO PRESENT SYS	2	1,812	1,316	1,453	1,433 U	
53	63728N MANUFACTURING TECH	2	4,754	3,657	3,339	12,085 U	
54	63732M MC ADV MANPOWER TRAINING SYS	2	1,292	1,489	1,509	2,095 U	
55	63733N TRAINING DEVICE TECH	2	5,975	7,950	7,399	8,055 U	
56	63786N ABN ELECTRO-MAG/OPT SYS	2		8,057	8,790	9,423 U	
57	63796N ABN ELEC-MAG/OPT SYS	2	4,273			U	
58	63797N SURF ELECTRO-MAGNETIC OPTICAL SYS	2	3,687			U	
59	64574N TAC EMBEDDED COMPUTER PROG	2				U	

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO.	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	
60	64703N PROTO MPWR/PERSONNEL SYS	2	149,898	152,186	165,122	242,849	U
	ADVANCED TECHNOLOGY DEVELOPMENT						
61	63371N TRIDENT I.I. MISSILE SYS	3	96,683	239,232	366,701	1,413,550	U
62	63451N SPACE TECHNOLOGY	3	2,346	7,966			U
63	63588N SSBN SUB-SYSTEM TECHNOLOGY	3	13,808	4,508	4,898	12,325	U
64	63735N WMMCCS ARCHITECTURE	3	596	862	903	956	U
65	65856N STRATEGIC TECHNICAL SUPPORT	3	5,362	5,330	5,919	6,370	U
66	11221N FLEET BALLISTIC MISSILE SYSTEM	3	137,485	66,326	32,947	43,613	U
67	11224N SSBN SECURITY PROGRAM	3	42,312	36,729	36,691	59,766	U
68	11228N TRIDENT I	3	76,295	101,950	90,565	137,081	U
69	11401N EXTREMELY LOW FREQUENCY COMM	3	5,226	34,755	49,827	54,262	U
70	11402N NAVY STRATEGIC COMM	3	19,746	24,344	69,314	99,542	U
71	11403N HYDRUS	3	1,000	888			U
72	12427N NAV SPASUR	3	539	550	501	521	U
73	33131N MEECN	3	2,337	3,089	10,673	1,591	U
74	33151N WMMCCS - ADP	3	1,044				U
	STRATEGIC PROGRAMS		404,779	526,529	668,939	1,829,577	
75	63201N AIRBORNE ASW DETECTION SYS	4	2,116				U
76	63206N ABN ELECTRONIC WARFARE EQUIPMENT	4	9,958	9,687	10,490	7,353	U
77	63208N VTX-TS	4	1,209	4,985	9,654	24,076	U

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS			
			FY 1981	FY 1982	FY 1983	FY 1984 C
78	63209N UNDERWATER WEAPONS ACCEPT TEST	4				3,326 U
79	63212N TACAIR IR C/M	4	3,577	4,781	1,493	2,470 U
80	63213N HELICOPTER IR C/M	4	2,723	5,323	5,732	6,118 U
81	63214N TAC CMD/CNTRL/COMM C/M	4	2,499	6,284	7,258	7,755 U
82	63219N ADV A/C ARMAMENT SYS	4	6,543	5,651	6,541	11,406 U
83	63220N TILT FAN VSTOL	4		10,000	36,284	43,185 U
84	63221N AV-8B	4		5,000		U
85	63228N CV ASW MODULE	4	3,838	4,601	4,162	4,592 U
86	63230N NATO CROSS CERTIFICATION	4	1,476			U
87	63254N AIR ASW	4	2,238	5,896	13,994	19,924 U
88	63257N V/STOL ACFT DEV	4	4,304		6,700	16,800 U
89	63259N ACOUSTIC SEARCH SENSORS	4	3,795	4,639	8,622	U
90	63260N AIRBORNE MINE COUNTERMEASURES	4	12,338	20,635	21,566	24,904 U
91	63261N TACTICAL AIRBORNE RECONNAISSANCE	4	3,553	5,019	5,670	2,669 U
92	63262N ACFT SURVIVABILITY/VULNERABILITY	4	5,193	8,015	10,864	16,471 U
93	63266N AH-1T COMP ROTOR BLADE	4	2,084	2,267		U
94	63267N COMBAT IDENTIFICATION SYS	4	2,500	2,488	6,694	6,669 U
95	63313N IIR MAVERICK	4	4,473	9,508	4,992	2,075 U
96	63318N ARMY/NAVY SAM TECH	4	5,216	13,218	14,169	12,843 U
97	63358N WEAPONIZING (PROTO)	4				U
98	63367N COMMON ASW STDOFF WPN	4	19,027	39,578	41,999	58,167 U

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	E
99	63369N TOMAHAWK II	4	22,548	19,000	19,900	19,760	U
100	63370N BVR AAM	4	22,509				U
101	63381N GUIDED MUNITIONS LAUNCHER	4					U
102	63382N BGAAWC	4			6,458	12,726	U
103	63452N VERY HIGH SPEED INTEG CIRCUITS	4					U
104	63501N REACTOR PROPULSION PLANTS	4	7,687	6,062	5,783	5,621	U
105	63502N SURFACE MCM	4	22,288	40,547	31,572	25,389	U
106	63503N ACOUSTIC COMMUNICATIONS	4	3,546	2,661	2,741	5,599	U
107	63504N SUBMARINE SONAR DEV	4	35,031	45,523	18,371	20,034	U
108	63506N SURFACE SHIP TORP DEF	4			2,447	5,281	U
109	63509N NEW SHIP DESIGN	4	16,994	7,900	4,911	6,437	U
110	63513N SHIPBOARD SYS COMPONENT DEVELOPMENT	4	5,124	8,142	15,452	13,710	U
111	63514N SHIPBOARD DAMAGE CONTROL	4	23,941	18,659	23,659	21,834	U
112	63515N ADVANCED IDENTIFICATION TECHNIQUES	4	992	3,810	2,247	772	U
113	63516N RADAR SURVEILLANCE EQ	4				794	U
114	63519N ADVANCED COMMAND DATA SYSTEMS	4	362	2,359	4,412	5,026	U
115	63520N ADVANCED COMMUNICATIONS	4	3,911				U
116	63521N SURFACE ELEC WARFARE	4	5,033	3,915			U
117	63522N ADV SUB SUPT EQUIP PROG	4					U
118	63523N SMALL WATERPLANE AREA TWIN HULL SHIP DEVEL	4					U
119	63524N SUBPCS	4	11,889	39,707			U

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	U E C
120	63525N PILOT FISH	4	34,617	57,388	93,823	99,766	U
121	63528N NON-ACOUSTIC ASW	4	12,984	11,164	11,533	15,053	U
122	63529N ADV ASW TARGET	4	759	832	3,919	10,684	U
123	63530N OVER-THE-HORIZON TARGETING	4	8,790	16,353			U
124	63531N HY 130 STEEL (NEW SSN MATERIAL)	4	1,533	955			U
125	63532N SHIPS SYSTEMS ENGINEERING STANDARDS	4	5,933	9,980	1,749	1,672	U
126	63534N SURFACE EFFECT SHIPS	4					U
127	63535N SEA BASS	4	23,300				U
128	63536N STANDOFF JAMMER SUPPRESSION	4					U
129	63537N RETRACT SILVER	4		63,446	94,365	105,644	U
130	63539N RETRACT AMBER	4	8,468	17,945	13,017	4,158	U
131	63540N DIESEL ELEC SUB	4	497	2,500			U
132	63553N SURFACE ASW	4	6,030	5,883	4,408	4,715	U
133	63561N SUBMARINES	4	34,079	53,563	44,413	54,342	U
134	63562N SUB TACTICAL WARFARE SYS	4	91,943	98,415	7,032	17,033	U
135	63564N SHIP CONFORM	4	28,632	9,994	18,810	26,857	U
136	63566N AMPHIB ASSAULT CRAFT	4	14,362	9,240	10,437	8,139	U
137	63568N COMBAT SYSTEMS ARCH	4	2,968	3,962	2,786	3,129	U
138	63569N ATTACK SUBMARINE DEV	4	28,908	4,968	10,959	20,974	U
139	63570N ADV REACTOR COMPONENTS/SYS DEV	4	5,226	9,090	11,536	15,166	U
140	63571N SHIPBOARD PHYSICAL SECURITY	4	4,016	4,594	6,560	6,091	U

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DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	C
141	63575N SPECIAL TEST SYSTEMS	4	11,860				U
142	63576N CHALK EAGLE	4			6,401	13,896	U
143	63578N A4W/A10 NUCLEAR PROP PLANT	4	10,624	11,849	12,238	12,706	U
144	63579N D2W NUCLEAR PROP REACTOR	4	11,025	10,449	9,337	9,339	U
145	63580N ADV DESIGN SUB NUCLEAR PROP	4	2,500				U
146	63582N COMBAT SYSTEM INTEGRATION	4	988	7,340	17,138	19,330	U
147	63589N DDOX	4	75,300	100,844	138,595	117,614	U
148	63590N WIDE APERTURE ARRAY ADV	4			23,614	14,707	U
149	63601N MINE DEVELOPMENT	4	21,098	13,934	5,555	6,119	U
150	63610N ALWT ADV	4	98,929	105,414	56,784	4,220	U
151	63611M MC ASSAULT VEHICLES	4	38,591	56,299	73,414	85,805	U
152	63634N TAC NUCLEAR WEAPON DEV	4	792	723	3,464	4,183	U
153	63635M MC GRD COMBAT/SPT ARMS SYS	4	2,401	3,336	7,812	4,341	U
154	63691N MK-48 ADCAP (ADV)	4			20,483		U
155	63702N OCEAN ENGINEERING SYS DEVELOPMENT	4	3,327	3,099	2,320	2,257	U
156	63705N LOGISTICS	4	6,788	12,215	3,339	1,844	U
157	63708N ANTI-SUB WARFARE SIGNAL PROCESSING	4	10,138	7,626	5,202	6,546	U
158	63711N FLEET TAC D/E PROGRAM	4	3,661	3,896	4,551	6,678	U
159	63717N COMMAND AND CONTROL SYSTEMS	4	10,452	8,780	24,106	20,327	U
160	63719N CONTAINER OFFLOAD/TRANSFER SYS	4	1,336	8,045	6,067		U
161	63724N NAVY ENERGY PROGRAM	4	16,743	17,478	21,504	31,487	U

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DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
162	63725N FACILITIES IMPROVEMENT	4	3,230	3,194	5,919	9,064 U
163	63726N MERCHANT SHIP NAVAL AUG PROG (MSNAP)	4			5,773	5,690 U
164	63729M MC COMBAT SERVICE SPT	4	1,003	3,122	4,410	5,931 U
165	63730M MC INTEL/ELEC WARFARE SYS	4	8	2,209	7,024	6,242 U
166	63731M MC CMD/CNTRL/COMM SYS	4	283	1,490	2,753	494 U
167	63734N DEFENSE SUPPRESSION	4	291			U
168	63736N STRIKE WARFARE TECHNOLOGY	4	1,350			U
169	63737N LINK HAZEL	4			42,760	9,870 U
170	63763N ITSS	4	14,000	11,965	17,834	107,293 U
171	63784N ASW SURVEILLANCE (C)	4		1,235	1,284	4,280 U
172	63785N LRAP	4		10,814	12,578	16,898 U
173	63787N SPECIAL PROCESSES	4		46,337	72,523	68,923 U
174	63788N RDSS	4	13,348	6,763	19,312	21,646 U
175	63794N ASW SURVEILLANCE	4	3,149			U
176	63795N LRAP	4	10,340			U
177	63798N SPECIAL PROCESSES	4	26,041			U
178	64203N AVIONICS DEVELOPMENT/VAST	4	8,881	12,501	8,960	3,022 U
179	64211N AIMS/ATCRBS/MARK XII	4	3,152	4,363	6,228	8,650 U
180	64212N LAMP III	4	100,842	72,588	8,977	U
181	64213N HELICOPTER DEVELOPMENT	4	4,932	10,057	26,560	11,568 U
182	64214N AV-8B AIRCRAFT	4	236,371	226,413	114,071	67,133 U

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DATE: 08 FEB 1982

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

LINE NO	PROGRAM ELEMENT NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	
								THOUSANDS OF DOLLARS
								-----S
								E
183	64215N	SUPPORT EQUIPMENT	4	6,903	6,947	8,700	8,837	U
184	64216N	RECONNAISSANCE SYS	4					U
185	64217N	S-3 WEAPONS SYS IMPROVEMENT	4	14,738	41,702	78,344	55,733	U
186	64218N	ENVIRONMENTAL SYSTEMS	4	533	481	356	595	U
187	64219N	AIRBORNE ASW DEV	4	12,919	21,599	25,539	32,148	U
188	64220N	ACFT IR SIGNATURE SUPPRESSION	4	1,322	1,400	1,495	1,598	U
189	64221N	P-3 MODERNIZATION PROG	4	29,649	18,636	21,598	24,357	U
190	64224N	ADAPTIVE ECM	4	1,308				U
191	64225N	ADV RADAR WARNING SYS	4	2,647	383			U
192	64226N	ASPJ	4	28,137	23,665	29,331	15,068	U
193	64227N	HARPOON MODIFICATION	4			1,940	1,921	U
194	64228N	SH-60 CV VARIANT	4			9,868	43,354	U
195	64254N	CH-46E RANGE EXT TANKS	4	10,206	11,690	13,394	16,931	U
196	64255N	AIR ELECTRONIC WARFARE	4	8,006	10,941	11,201	7,904	U
197	64260N	CH-53E	4	19,344	18,121	14,600	4,801	U
198	64261N	ACOUSTIC SEARCH SENSORS	4			9,522	24,094	U
199	64262N	HXM	4					U
200	64263N	F/A-18	4	170,856	190,000	109,224		U
201	64264N	LIFE SUPPORT EQUIP	4	11,815	10,674	6,902	7,284	U
202	64266N	ADV SIGNAL PROCESSOR	4	7,199	3,292	3,525		U
203	64267N	AWG-9 UPDATE	4	24,218	4,206	6,978	3,079	U

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DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	E
THOUSANDS OF DOLLARS							
204	64268N ACFT ENGINE COMPONENT IMPROVE PROG	4	71,202	82,338	89,486	96,620	U
205	64301N MK-92 FCS UPGRADE	4		17,701	9,628	14,445	U
206	64303N AEGIS	4	16,807	34,196	8,158	8,376	U
207	64304N CSDDS	4	26,262	16,056	12,232	5,558	U
208	64306N PENGUIN COMBAT DEV	4	5,892	3,658	1,623	477	U
209	64307N CG-47 AEGIS PRODUCT IMPROV	4			45,147	61,056	U
210	64314N AMRAAM	4		4,994	4,714	6,916	U
211	64352N SURFACE LAUNCHED WEAPONRY SYS TECH	4	38,352	42,505	3,413	3,372	U
212	64353N VERTICAL LAUNCHING SYSTEM	4	67,672	70,424	33,878	26,832	U
213	64354N AIR/AIR MSL SYS ENGR	4	37,062	35,350	23,844		U
214	64358N CLOSE-IN WPN SYS (PHALANX)	4	2,105	1,371	1,387	1,329	U
215	64360N HI-SPEED ANTI-RADIATION MSL	4	72,641	20,898	1,932	1,976	U
216	64361N NATO SEA SPARROW	4	3,507	3,467	1,067		U
217	64365N SM-2	4	4,000	13,193	18,810	18,763	U
218	64366N STANDARD MISSILE IMPROVEMENTS	4	64,618	50,592	50,789	62,391	U
219	64367N TOMAHAWK CRUISE MSL	4	133,922	141,735	78,934	26,362	U
220	64369N 5\ ROLLING AIR FRAME MSL	4	14,040	19,488	16,290	3,326	U
221	64370N SSN-688 VLS	4	8,916	37,486	35,362	26,830	U
222	64371N HELLFIRE	4			9,815	2,879	U
223	64372N NEW THREAT UPGRADE	4			41,881	41,598	U
224	64373N TARTER SM-2	4					U

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DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
						THOUSANDS OF DOLLARS
225	64375N SPY-1B RADAR	4				U
226	64377N SM-3	4				U
227	64502N SUBMARINE COMMUNICATIONS	4	8,353	7,187	5,584	8,314 U
228	64503N SUBMARINE SONAR DEV	4	32,026	40,403	41,770	36,583 U
229	64504N AIR CONTROL	4	8,066	9,591	9,251	24,163 U
230	64505N SSN INTEGRATED COMM CENTER SYS	4		5,820		U
231	64506N CW COUNTERMEASURES	4	3,710	7,740	8,357	8,398 U
232	64507N ENSP	4			14,497	15,257 U
233	64508N RADAR SURVEILLANCE EQ	4	11,036	15,409	10,486	8,966 U
234	64510N COMMUNICATIONS SYSTEMS	4	5,456	3,178	4,693	238 U
235	64511N INTELLIGENCE SYSTEMS	4	2,262	2,708	2,478	5,208 U
236	64515N SUB SUPT EQUIP PROG ENG	4				
237	64516N SHIP SURVIVABILITY PROTOTYPES	4			4,775	7,809 U
238	64518N CIC CONVERSION	4	5,937	9,420	27,014	23,148 U
239	64519N COMBAT SYS INTERFACE	4			85,937	137,515 U
240	64524N SUBACS ENG	4				U
241	64526N LHDX	4		15,000		
242	64534N SURFACE ELEC WARFARE	4	11,398	8,540	6,673	11,245 U
243	64561N SUBMARINES	4	1,699	2,041	1,950	2,229 U
244	64562N SUB TACTICAL WARFARE SYS	4	33,768	95,242	32,598	34,720 U
245	64566N ACOUSTIC COMMUNICATIONS	4	3,229	5,099	4,696	2,650 U

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DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
246	64567N SHIP SUBSYS DEV/LBTS	4	45,717	66,394	24,430	28,642 U
247	64569N NATO SEA GNAT	4	2,078	7,007	6,589	3,056 U
248	64573N SHIPBOARD ELECTRONIC WARFARE IMPROV	4	7,543	15,917	14,974	17,684 U
249	64574N TAC EMBEDDED COMPUTER PROG	4	17,313	21,979	21,704	13,323 U
250	64575N AN/SQS-53C	4			35,980	22,387 U
251	64576N INFLUENCE MCM	4			5,820	12,709 U
252	64601N MINE DEVELOPMENT	4	7,415	6,916	12,712	10,464 U
253	64602N GUN AMMUNITION IMPROVEMENT	4	11,545	2,841	755	1,182 U
254	64603N UNGUIDED CONVL AIR LAUNCHED WEAPONS	4	15,116	22,249	7,978	1,946 U
255	64604N CHEMICAL WARFARE WEAPONS	4		7,497	8,066	3,458 U
256	64607N ELECTRO OPTICS SENSOR DEV	4	17,035	6,891	10,422	10,975 U
257	64608N A/N SAL GP(ENG)	4	22,753	3,116	995	U
258	64609N COMMON BOMB FUZE	4	1,600	1,597	1,306	U
259	64610N ALWT (ENG)	4			58,365	141,185 U
260	64652N GUN FCS IMP PROG	4	27,956	10,393	10,969	10,648 U
261	64654N JT SERV EXPLOSIVE ORD DEV	4	2,248	2,477	2,926	3,805 U
262	64656M MC ASSAULT VEHICLES	4			15,810	15,072 U
263	64657M MC GRD COMBAT/SPT ARMS SYS	4	18,236	23,377	10,724	16,616 U
264	64658N MK-86 GFCS	4				U
265	64675N MK-48 ADCAP (ENG)	4			166,271	111,483 U
266	64701N PRTO CARRIER OPER TEST/EVAL SITE	4				U

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DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984
267	64710N NAVY ENERGY PROGRAM	4	11,975	15,984	18,704	28,394 U
268	64711N COMMAND AND CONTROL SYSTEMS	4	9,476	10,629	15,505	20,181 U
269	64713N TACTAS AN-SQR 19	4	24,624	15,862	9,882	2,852 U
270	64714N AIR WARFARE TNG DEV	4	13,681	27,889	20,089	6,572 U
271	64715N SURFACE WARFARE TNG DEV	4	34,428	41,746	32,838	46,258 U
272	64716N SUBMARINE WARFARE TNG DEV	4	2,908	4,553	3,226	U
273	64717M MC COMBAT SERVICE SPT	4	2,010	3,728	3,009	3,812 U
274	64718M MC INTEL/ELEC WARFARE SYS	4	2,615	1,985	2,736	9,237 U
275	64719M MC CMD/CNTRL/COMM SYS	4	62,291	48,573	27,888	25,699 U
276	64720M TACAIR OPER CENTRAL 85	4			12,736	4,468 U
277	64745N NAV INTEG/BTFD EXPLOIT TGT ACQ	4	2			U
278	64761N INTELLIGENCE	4	5,189	6,069	13,092	9,099 U
279	64771N MEDICAL DEVELOPMENTS	4	1,329	2,047	2,314	2,464 U
280	64779N JINTACCS	4	8,245	5,505	6,395	11,518 U
281	64780M JINTACCS MC	4	1,030	1,249	1,699	7,620 U
282	64789N SURV TOWED ARRAY SENSOR	4	6,769			2,345 U
283	65155N FLEET TACTICAL DEV/EVAL	4	17,070	17,257	18,316	22,962 U
284	65803N ELECTROMAGNETIC SPECTRUM MGT	4				U
285	65853N MANAGEMENT AND TECHNICAL SUPPORT	4	12,335	12,546	11,685	13,862 U
286	65858N TACTICAL ELECTRO SUPPORT	4	4,309	4,210	4,005	4,125 U
287	65867N C2 SURVEILLANCE/RECON SPT	4	3,597	1,694	2,820	5,116 U

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
288	65871M TAC EXPLOITATION OF NATL CAPABILITY	4		248	360	374 U
289	24134N A-6 SQUADRONS	4	7,624	9,978	4,725	3,014 U
290	24136N F/A-18 ATTACK SQDNS	4				19,369 U
291	24152N EARLY WARNING ACFT SQUADRONS	4	18,756	18,925	52,291	47,008 U
292	24161N AVIATION SPT CVW	4	2,384	7,957	7,968	1,911 U
293	24163N FLEET TELECOMMUNICATIONS (TAC)	4	15,381	34,282	21,140	33,956 U
294	24226N PATROL COMBATANTS-HICANS	4		292		U
295	24281N SUBMARINES	4	5,710	7,429	6,464	9,496 U
296	24304N MINES/MINE SUPPORT	4	6,393	2,930	1,481	1,123 U
297	24311N UNDERSEA SURVEILLANCE SYS	4	51,244	48,598	49,649	68,904 U
298	24313N SURTASS	4		6,364	7,070	U
299	24571N SPECIAL PROJECTS	4			6,720	11,850 U
300	24573N COVER AND DECEPTION PROGRAM	4	7,798	13,305	14,312	12,794 U
301	24575N ELECTRONIC WARFARE SPT PROJECTS	4	5,431	16,509	8,014	10,581 U
302	24576N C3 COUNTER-MEAS DEVEL	4			11,533	17,900 U
303	25604N JTIDS	4	31,251	48,079	100,330	87,399 U
304	25620N ASW COMBAT SYSTEMS INTEGRATION	4	14,184	20,866	16,135	14,589 U
305	25623N SURF SHIP SONAR MODERNIZATION	4	19,151	13,973	8,003	9,942 U
306	25624N AN/SQR-18 IMPROVEMENT	4	5,380	6,611	4,939	4,645 U
307	25633N ACFT EQ REL/MAINT PROG	4	6,462	8,231	7,067	8,453 U
308	25634N SUBMARINE SILENCING	4	18,190	15,363	9,283	10,706 U

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983	FY 1984 U	
309	25645N MODULAR GUIDED GLIDE WPN IMP	4	799	2,117	5,260	1,567	U
310	25658N LAB FLEET SUPPORT	4	2,273	4,283	4,669	5,366	U
311	25662N ACFT PROPULSION EVAL GENERAL	4	2,693	2,000	2,835	3,114	U
312	25663N ACFT FLIGHT TEST GENERAL	4	1,830	897	953	1,016	U
313	25667N F-14A	4	11,723	16,965	14,724	17,455	U
314	25670N TACTICAL INTELL PROCESSING	4	1,317	2,721	1,942	1,809	U
315	25674N EW COUNTER RESPONSE	4	9,050	10,586	12,653	15,868	U
316	25675N OPERATIONAL REACTOR DEV	4		2,344	2,855	3,397	U
317	26313M MARINE CORPS TELECOMMUNICATIONS	4	2,247	1,713	2,266	3,029	U
318	26623M MC GRD COMBAT/SPT ARMS SYS	4	1,583	1,635	3,093	9,289	U
319	26624M MC COMBAT SERVICE SPT	4	407	368	376	657	U
320	26625M MC INTEL/ELEC WARFARE SYS	4	471		779	590	U
321	26626M MC COMD/CNTRL/COMM SYS	4	8,091	12,194	18,447	24,240	U
322	26627M MC TAC SUPT C/C SYS	4			2,798	2,959	U
323	28008N AMRAAM GUE	4					U
324	28009N TOMAHAWK CRUISE MISSILE	4			18,010	24,305	U
325	28010M TRI-TAC MC	4	9,193	16,343	15,543	11,297	U
326	28010N TRI-TAC NAVY	4	13,533	9,208	9,374	9,114	U
327	33109N SATELLITE COMMUNICATIONS	4					U
328	33151N WWMCCS - ADP	4					U

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	U E
329	35128N SECURITY/INVESTIGATIVE ACTYS	4					U
330	99403N CONSULTANTS STUDIES AND ANALYSES	4					U
	TACTICAL PROGRAMS		3,107,230	3,546,340	3,678,085	3,671,319	
331	63401N NAVIGATION SATELLITE GPS	5	4,866				U
332	63511N AIR CONTROL	5				1,167	U
333	63518N ADVANCED NAVIGATION DEVELOPMENT	5	1,608	2,142	476		U
334	63735N WWMCCS ARCHITECTURE	5					U
335	64514N NAVIGATION SYSTEMS	5	5,210	5,649	3,820	1,487	U
336	64577N EHF SATCOM	5			43,826	61,149	U
337	64777N NAVSTAR	5		34,000	39,822	97,440	U
338	64778N NAVSTAR GPS EQUIP	5	17,136				U
339	65803N ELECTROMAGNETIC SPECTRUM MGT	5	5,700	5,496	4,589	7,532	U
340	65866N C2 SYS PLANNING/ENGINEERING SPT	5	3,271	4,215	5,060	6,836	U
341	24226N PATROL COMBATANTS	5					U
342	31303N FIELD OPERATIONAL INTELLIGENCE OFFICE	5	511				U
343	31309N INTELLIGENCE SUPPORT CENTER	5	322	237			U
344	31325N PRAIRIE WAGON	5	3,906				U
345	31326N PRAIRIE SCHOONER	5	6,276	5,221	5,072	17,339	U
346	31327N TECHNICAL RECONNAISSANCE & SURVEILLANCE	5	3,944	5,384	4,073	11,005	U
347	31335N ADP GDIP SUPPORT	5				606	U

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

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APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT ---	THOUSANDS OF DOLLARS				S E
			FY 1981 ---	FY 1982 ---	FY 1983 ---	FY 1984 ---	
348	31355N INTEGRATED AUTOMATED INTELLIGENCE PROCESSING	5	491				U
349	33109N SATELLITE COMMUNICATIONS	5	5,357	36,580	1,632		905 U
350	33126N LONG HAUL COMMUNICATIONS (DCS)	5	2,423	1,188	1,965		825 U
351	33401N COMSEC	5					
352	34111N SPECIAL ACTIVITIES	5	82,606	101,690	120,380		180,176 U
	INTELLIGENCE AND COMMUNICATIONS		152,868	215,274	247,806		400,138
353	63799N R+D FUTURE OPTIONS	6					U
354	64208N RANGE INSTRUMENTATION SYS DEV	6	13,276	10,317	12,392		17,235 U
355	64218N ENVIRONMENTAL SYSTEMS	6					U
356	64258N TARGET SYSTEMS DEV	6	43,045	58,803	43,901		48,112 U
357	64703N TRAINING DEVICES PROTOTYPE DEV	6	13,899	10,361	6,575		3,743 U
358	64709N PROTO MPWR/PERSONNEL SYS	6	979	4,997	2,152		3,983 U
359	65151M STUDIES AND ANALYSIS SUPPORT (MC)	6	2,309	2,776	2,148		2,619 U
360	65152N STUDIES AND ANALYSIS SUPPORT (NAVY)	6	6,422	7,791	7,889		8,291 U
361	65153M MCOAG	6	2,020	2,481	2,754		2,877 U
362	65154N CENTER FOR NAVAL ANALYSIS (NAVY)	6	10,393	11,351	12,445		13,381 U
363	65155N FLEET TACTICAL DEV/EVAL	6					U
364	65156M MAR CORPS OPERATIONAL TEST/EVAL	6	1,184	1,205	3,350		1,874 U
365	65804N TECHNICAL INFORMATION SERVICES	6	1,188	1,456	1,665		1,735 U
366	65852N AUTEC	6	28,553	36,150	45,658		50,334 U
367	65854M DEVELOPMENT CENTER SUPPORT	6	3,510	5,422	3,598		3,804 U

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DEPARTMENT OF THE NAVY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	THOUSANDS OF DOLLARS	
368	65855N NARL PT BARRON	6	3,885					U
369	65857N INTERNATIONAL RDT/E	6	966	1,679	1,935			2,264 U
370	65859N MOBILE SEA RANGE	6	5,171	7,024	3,229			5,046 U
371	65861N RDT LAB/FAC MGT SPT	6	48,844	52,159	59,101			66,237 U
372	65862N RDT INSTRUMENTATION/MATERIAL SPT	6	38,305	43,511	31,707			30,710 U
373	65863N RDT SHIP/AIRCRAFT SPT	6	52,425	60,773	69,847			79,535 U
374	65864N TEST/EVALUATION SPT	6	215,579	240,320	274,106			301,613 U
375	65865N OPERATION-TEST/EVAL CAPABILITY	6	5,231	5,770	6,772			6,556 U
376	65869N RDT&E OSHA SUPPORT	6						U
377	65870N STRATEGIC SYSTEMS TEST SUPPORT	6	4,647	19,046	17,658			8,616 U
378	65871M TAC EXPLOITATION OF NATL CAPABILITY	6						U
379	65872N PRODUCTIVITY INVESTMENT	6		7,490	4,410			2,322 U
380	65873N LONG RANGE PLANNING SUPPORT	6		900	1,281			1,311 U
381	25633N AIRCRAFT EQ R/M IMPROVEMENT PROG	6						U
382	25659N LAB FLEET SUPPORT	6						U
383	25662N ACFT PROPULSION EVAL GENERAL	6						U
384	25663N ACFT FLIGHT TEST GENERAL	6						U
385	35111N WEATHER SERVICE	6	2,998	2,867	1,186			1,091 U
386	35128N SECURITY/INVESTIGATIVE ACTYS	6			689			729 U

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FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 1319 N RESEARCH DEVELOPMENT TEST + EVAL, NAVY

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983		
387	35160N DEF METEOROLOGICAL SATELLITE PROG	6	1,901	1,350	1,316	1,065	U
388	88751N CIVILIAN EDUCATION/TRAINING/DEV	6	615	1,000	1,157	1,378	U
	DEFENSEWIDE MISSION SUPPORT		507,345	596,999	618,921	666,461	

TOTAL RESEARCH DEVELOPMENT TEST + EVAL, NAVY

5,024,866 5,807,131 6,232,300 7,746,511

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

SUMMARY

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	126,612	147,257	178,982	193,264
EXPLORATORY DEVELOPMENT	487,375	473,475	527,726	553,945
ADVANCED DEVELOPMENT	851,553	901,663	1,137,621	1,568,787
ENGINEERING DEVELOPMENT	3,270,844	4,455,375	5,856,633	5,481,154
MANAGEMENT AND SUPPORT	631,060	668,325	709,534	752,539
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	5,367,444	6,646,095	8,410,496	8,549,689
OPERATIONAL SYSTEMS DEVELOPMENT	1,765,903	2,230,215	2,809,904	2,898,346
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035

SUMMARY RECAP OF BUDGET ACTIVITIES

TECHNOLOGY BASE	613,987	620,732	706,708	747,209
ADVANCED TECHNOLOGY DEVELOPMENT	284,034	372,610	472,098	531,364
STRATEGIC PROGRAMS	2,730,762	3,570,448	4,973,010	4,993,335
TACTICAL PROGRAMS	1,453,702	1,777,724	2,218,002	2,314,418
INTELLIGENCE AND COMMUNICATIONS	984,978	1,305,352	1,418,213	1,334,519
DEFENSEWIDE MISSION SUPPORT	1,065,884	1,229,444	1,432,369	1,527,190
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035

SUMMARY RECAP OF FYDP PROGRAMS

STRATEGIC FORCES	396,920	428,385	525,525	428,945
GENERAL PURPOSE FORCES	300,261	323,019	610,756	681,522
INTELLIGENCE AND COMMUNICATIONS	1,029,131	1,434,773	1,644,493	1,760,457
AIRLIFTSEALIFT	26,935	30,485	12,604	7,310
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	5,367,444	6,646,095	8,410,496	8,549,689
CENTRAL SUPPLY AND MAINTENANCE	10,337	10,958	13,738	17,350
SUPPORT OF OTHER NATIONS	2,319	2,595	2,788	2,762
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE	7,133,347	8,876,310	11,220,400	11,448,035

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	
1	61101F IN-HOUSE LAB INDEPENDENT RESEARCH	1	10,177	11,258	13,124	15,216	U
2	61102F DEFENSE RESEARCH SCIENCES	1	116,435	135,999	165,858	178,048	U
3	62101F GEOPHYSICS	1	31,259	33,485	37,780	39,195	U
4	62102F MATERIALS	1	38,285	42,156	46,174	49,866	U
5	62201F AEROSPACE FLIGHT DYNAMICS	1	55,686	55,155	61,219	65,184	U
6	62202F AEROSPACE BIOTECHNOLOGY	1	34,740	35,959	41,718	44,777	U
7	62203F AEROSPACE PROPULSION	1	51,173	53,918	58,645	60,547	U
8	62204F AEROSPACE AVIONICS/VHSI CIRCUITS	1	57,730	61,523	67,652	71,500	U
9	62205F TRAINING/SIMULATION TECH	1	12,942	13,964	18,545	18,271	U
10	62302F ROCKET PROPULSION	1	30,791	34,105	37,072	38,264	U
11	62601F ADVANCED WEAPONS	1	35,193	39,208	44,471	44,691	U
12	62602F CONVENTIONAL MUNITIONS	1	30,740	32,724	37,416	38,366	U
13	62702F COMMAND/CONTROL/COMMUNICATION	1	61,996	65,887	69,840	75,363	U
14	62703F PERS UTILIZATION TECH	1	5,299	5,391	7,194	7,921	U
15	62704F VERY HIGH SPEED INTEGRATED CIRCUITS	1	41,541				U
	TECHNOLOGY BASE		613,987	620,732	706,708	747,209	
16	63103F ADVANCED AIRBORNE RADAR DEVELOPMENT	2			3,475	15,330	U
17	63202F ACFT PROPULSION SUBSYS INTEGRATION	2	18,416	23,013	21,468	27,875	U
18	63203F ADV AVIONICS FOR ACFT	2	10,809	14,944	18,201	22,556	U
19	63205F FLT VEHICLE TECHNOLOGY	2	7,874	6,675	7,301	9,979	U
20	63208F RECON SENSORS/PROCESSING TECHNOLOGY	2	5,866	4,085	6,383	8,984	U

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
21	63211F AEROSPACE STRUCTURES/MATERIALS	2	15,535	19,427	23,545	25,610 U
22	63215F AVIATION TURBINE FUEL TECHNOLOGY	2	8,437	6,486	8,699	8,465 U
23	63216F ADV TURBINE ENGINE GAS GENERATOR	2	30,940	33,278	30,979	33,128 U
24	63226F DOD COMMON PROG LANGUAGE(ADA)ADV DEV	2		6,974	6,930	5,748 U
25	63227F ADVANCED SIMULATOR TECHNOLOGY	2	3,163	2,192	10,739	6,941 U
26	63231F CREW SYSTEMS TECHNOLOGY	2			4,055	3,905 U
27	63245F ADV FIGHTER TECH INTEGRATION	2	10,353	11,855	10,967	14,570 U
28	63246F AIRCRAFT SUBSYSTEMS TECH	2	5,235			U
29	63247F MODULAR AUTOMATIC TEST EQ	2	12,650			U
30	63250F LINCOLN LABORATORY	2	22,452	22,117	23,079	25,898 U
31	63253F ADVANCED SYSTEM INTEGRATION DEMO	2		6,774	16,421	34,566 U
32	63259F CARTOG APPLICATIONS-TAC & STRAT SYS	2			890	2,345 U
33	63302F ADV MSLE PROPULSION	2	8,477	7,174	894	1,279 U
34	63363F HYPERVELOCITY MISSILE	2		8,070	992	U
35	63410F SPACE SYS ENVIRON INTERACTIONS TECH	2			1,583	2,637 U
36	63452F VERY HIGH SPEED INTEGRATED CIRCUITS	2		65,547	66,004	61,479 U
37	63601F CONVENTIONAL WEAPONS	2	21,152	22,220	20,017	17,930 U
38	63603F SPACE LASER PROGRAM	2			40,561	37,104 U
39	63605F ADVANCED RADIATION TECH	2	58,237	75,516	95,120	92,400 U
40	63706F HEARTLINE DEMONSTRATION PROG	2	2,058			U
41	63723F CIVIL/ENVIRONMENTAL ENGR TECH	2	3,839	3,885	4,502	5,163 U

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				S E
			FY 1981	FY 1982	FY 1983	FY 1984 C	
42	63728F ADVANCED COMPUTER TECHNOLOGY	2	4,438	4,782	4,957	5,816	U
43	63739F ADV DRONE/REMOTELY PILOTED VEH DEV	2	4,722	2,789			U
44	63743F ELECTRO-OPTICAL WARFARE	2	10,657	10,261	15,927	22,636	U
45	63750F COUNTER/COUNTERMEASURES -ADV DEV	2	5,948	1,893	7,041	11,425	U
46	63751F INNOVATIONS IN EDUCATION/TRAINING	2	1,676	2,491	3,073	6,309	U
47	63789F COMD/CNTRL/COMM ADV DEV	2	11,100	10,162	18,295	21,286	U
	ADVANCED TECHNOLOGY DEVELOPMENT		284,034	372,610	472,098	531,364	
48	63258F COMMON STRATEGIC ROTARY LAUNCHER (T+	3		22,400	64,078	63,176	U
49	63311F ADVANCED STRATEGIC MISSILE SYSTEMS	3	96,531	99,624	49,737	61,841	U
50	63312F ADVANCED CONCEPTS	3			60,000	300,000	U
51	63318F COUNTER SUAWACS TECHNOLOGY PROG	3	7,451				U
52	63319F ADVANCED TECHNOLOGY CRUISE MISSILE	3	15,468	34,887	26,782	20,537	U
53	63424F MSL SURVEILLANCE TECH	3	10,058	13,848	9,745	7,674	U
54	63425F ADVANCED WARNING SYSTEMS	3		9,962	20,808	48,738	U
55	63426F POST-ATTACK RECONNAISSANCE	3			9,919	24,449	U
56	63428F SPACE SURVEILLANCE TECHNOLOGY	3	25,585	23,711	40,285	46,609	U
57	63429F WARNING INFORMATION CORRELATION	3					U
58	63438F SATELLITE SYS SURVIVABILITY	3	24,048				U
59	63439F ADV SPACE APPLICATIONS PROGRAM	3	2,647				U
60	63703F CONUS OVER-THE-HORIZON RADAR	3	15,920	4,284			U

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
82	12417F CONUS OVER-THE-HORIZON RADAR	3		17,235	79,175	103,991 U
83	12423F BALLISTIC MSL EARLY WNG SYSTEM	3	8,630	12,752	10,262	9,676 U
84	12424F SPACETRACK	3	6,658	7,970	5,542	5,146 U
85	12431F DEFENSE SUPPORT PROGRAM	3	87,570	145,750	120,447	50,275 U
86	12432F SLBM RADAR WARNING SYSTEMS	3		3,786	2,570	4,295 U
87	12433F INTEG OPERATIONAL NUDETS DETECT SYS	3	4,000	6,974	19,885	9,470 U
88	12450F SPACE DEFENSE OPS	3	14,433	1,096	6,470	2,902 U
89	33131F MINIMUM ESSENTIAL EMER COMM NETWORK	3	14,780	45,429	49,606	39,993 U
90	33152F WMMCS INFORMATION SYSTEM	3			8,366	7,287 U
91	33601F AIR FORCE SAT COMM SYS	3	25,901	80,114	50,901	29,945 U
92	33603F MIL STRATEGIC TACTICAL + RELAY SYS	3			79,784	256,990 U
93	35158F SATELLITE DATA SYSTEM	3	43,104	28,393	7,886	2,614 U
94	35892F SPECIAL ANALYSIS ACTYS	3				
	STRATEGIC PROGRAMS		2,730,762	3,570,448	4,973,010	4,993,335
95	63228F NEXT GENERATION TRAINER ACFT	4		14,645	52,365	97,860 U
96	63230F ADVANCED TACTICAL FIGHTER	4			27,338	49,577 U
97	63234F ENFORCER	4	7,787	6,000		U
98	63239F ADV TACTICAL AIR RECONNAISSANCE SYS	4			4,006	5,710 U
99	63244F ACFT NON-NUCLEAR SURVIVABILITY	4	1,683	1,594	2,011	2,067 U
100	63249F NIGHT ATTACK PROGRAM	4	57,209	3,088	4,491	3,912 U
101	63257F ADVANCED CIVIL-MILITARY ACFT	4				972 U

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT ---	FY 1981 -----	FY 1982 -----	FY 1983 -----	FY 1984 C -----
102	63313F ADV MSL SUBSYSTEMS DEMONSTRATION	4	3,293	5,878		U
103	63370F ADV MED RANGE A-A MSL	4	22,884	1,296		U
104	63609F ADV ATTACK WEAPONS	4	34,000	55,192	17,999	U
105	63616F ADVANCED ASSAULT BREAKER DEV	4	5,463			U
106	63714F DOD PHYSICAL SECURITY EQ-EXTERIOR	4	7,308	996	3,911	3,838 U
107	63718F ELECTRONIC WARFARE TECHNOLOGY	4	14,078	11,756	18,724	21,087 U
108	63726F FIBER OPTICS DEVELOPMENT	4			2,864	1,660 U
109	63727F ADVANCED COMMUNICATIONS TECHNOLOGY	4	2,087	5,280	6,106	5,243 U
110	63742F COMBAT IDENTIFICATION TECHNOLOGY	4	2,750	14,744	17,486	19,664 U
111	63745F CHEMICAL WARFARE DEFENSE	4		3,985	4,877	4,687 U
112	63746F SIDE LOOKING AIRBORNE RADAR	4	22,331			U
113	63747F PAVE MOVER	4	15,060	5,180	2,003	4,202 U
114	63801F SPECIAL PROGRAMS	4				
115	64201F ACFT AVIONICS EQUIPMENT DEVELOPMENT	4	23,910	13,051	21,237	26,563 U
116	64212F AIRCRAFT EQUIPMENT DEV	4	4,056	2,192	1,864	17,614 U
117	64218F ENGINE MODEL DERIVATIVE PROG	4	73,654	38,510	10,254	20,511 U
118	64219F INTEGRATED DIGITAL AVIONICS	4		2,092		U
119	64220F EW COUNTER RESPONSE	4		9,165	27,335	22,217 U
120	64222F NUCLEAR WEAPONS SUPPORT	4	2,240	1,694	2,298	2,059 U
121	64223F ALTERNATE FIGHTER ENGINE	4		34,869	94,125	83,125 U
122	64231F C-X PROGRAM	4	33,420			U

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FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
123	64247F MODULAR AUTOMATIC TEST EQUIPMENT	4		20,224	34,580	17,578 U
124	64249F NIGHT PRECISION ATTACK	4		87,271	103,758	93,799 U
125	64268F ACFT ENGINE COMPONENT IMPROVE PROG	4	105,091	123,889	120,472	156,429 U
126	64314F ADV MED RANGE AIR-TO-AIR MSL	4		138,079	207,601	192,670 U
127	64321F JOINT TACTICAL FUSION PROGRAM	4	5,423	5,280	9,908	U
128	64362F GRD LAUNCHED CRUISE MSL	4	107,618	80,065	28,581	23,950 U
129	64601F C/B DEFENSE EQUIPMENT	4	8,870	8,767	16,339	16,247 U
130	64602F ARMAMENT ORDNANCE DEVELOPMENT	4	20,550	25,205	20,648	21,776 U
131	64604F LOW ALTITUDE AFLD ATTACK SYS	4	25,400			U
132	64606F CONVENTIONAL STANDOFF WEAPON	4			38,858	65,708 U
133	64607F WIDE-AREA ANTI-ARMOR MUNITION	4	18,758	20,722	8,503	45,701 U
134	64608F CLOSE AIR SUPPORT WEAPONS SYSTEM	4	46,760	24,906	5,412	570 U
135	64610F AIR DELIVERED LAND MINES	4	4,764			U
136	64612F LOW LEVEL LASER GUIDED BOMB	4	6,639	8,269	3,016	U
137	64614F MEDIUM RANGE AIR-TO-SURFACE MISSILE	4	14,000	48,916	42,682	23,045 U
138	64616F AIR-LAUNCHED ASSAULT BREAKER	4		24,009	29,328	76,379 U
139	64706F LIFE SUPPORT SYSTEM	4	9,120	10,959	12,417	20,130 U
140	64708F OTHER OPERATIONAL EQUIPMENT	4	11,446	12,155	16,553	18,257 U
141	64710F RECONNAISSANCE EQUIPMENT	4	14,855	11,357	7,695	23,781 U
142	64715F DOD PHYSICAL SECURITY EQ-EXTERIOR	4	19,736	7,870	18,595	12,120 U
143	64724F TAC C3 COUNTER-MEASURES	4	20,271	10,455	18,976	27,957 U

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	THOUSANDS OF DOLLARS	
144	64725F COMBAT IDENTIFICATION SYSTEMS	4	4,552	12,155	20,552	28,125	U	
145	64733F SURFACE DEF SUPPRESSION	4	8,605	9,564	4,740		U	
146	64737F AIRBORNE SELF-PROTECTION JAMMER	4	12,273	54,096	46,726	35,133	U	
147	64738F PROTECTIVE SYSTEMS	4	62,787	108,491	110,234	53,148	U	
148	64739F TACTICAL PROTECTIVE SYSTEMS	4	25,359	23,711	28,093	26,959	U	
149	64740F APPL FOR INFO PROCESSING TECH	4	4,455	4,882	4,993	7,209	U	
150	64742F PRECISION LOCATION STRIKE SYSTEM	4	62,780	87,795	98,859	80,379	U	
151	64746F EXPENDABLE DRONES	4	5,574	10,468			U	
152	64750F INTELLIGENCE EQUIPMENT	4	15,607	14,744	18,469	16,894	U	
153	64751F INTRA-THEATRE IMAGING SYSTEM	4	2,175	498			U	
154	64753F COMBAT HELICOPTER MODERNIZATION	4		18,829	32,347	17,977	U	
155	64754F JT TAC INFO DIST SYS	4	57,029	68,378	52,513	37,957	U	
156	64756F SIDE LOOKING AIRBORNE RADAR (SLAR)	4		29,090	27,192	20,197	U	
157	64757F SYSTEMS PROTECTION	4	356				U	
158	64779F JT INTEROPERABILITY TAC COMD/CNTRL	4	7,557	7,472	3,837	5,752	U	
159	11133F SR-71 SQUADRONS	4						
160	27128F F-4 SQUADRONS	4	4,525	6,276			U	
161	27129F F-111 SQUADRONS	4	5,288	2,690	39,290	36,571	U	
162	27130F F-15 SQUADRONS	4	10,991	32,288	125,318	127,292	U	
163	27131F A-10 SQUADRONS	4	34,796	13,947	6,488	4,845	U	
164	27133F F-16 SQUADRONS	4	41,857	57,284	86,142	220,202	U	

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FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	U
165	27136F F-4G WILD WEASEL SQUADRONS	4			21,472	18,020	U
166	27161F TACTICAL AIM MISSILE	4	3,512				U
167	27162F TACTICAL AGM MISSILES	4	7,057	4,284	4,790	3,759	U
168	27247F TACTICAL SURVEILLANCE SYS	4	299	299	285	281	U
169	27252F EF-111 SQUADRONS	4	5,507				U
170	27411F OVERSEAS AIR WEAPON CONT SYS	4	1,000	2,291	3,486	3,429	U
171	27412F TACTICAL AIR CONTROL SYSTEM	4	13,761	1,195	5,422	5,455	U
172	27415F USAF COMMAND/CONTROL SYS	4	6,603				U
173	27417F TAC AIRBORNE CMD/CNTRL SYS	4	62,136	52,402	78,852	62,228	U
174	27423F ADV COMM SYS	4	45,239	50,410	78,210	89,758	U
175	27431F TAC AIR INTELL SYS ACTYS	4	2,944	9,066	8,253	7,811	U
176	27584F SEEK AXLE	4					
177	27585F SEEK SPINNER	4			26,900	27,600	U
178	27591F OMEGA	4					
179	28008F AMRAAM OPER UTILITY EVAL	4	1,500	3,088			U
180	28010F JT TACTICAL COMM PROG (TRI-TAC)	4	18,512	26,899	52,875	22,661	U
181	35887F ELECTROMAGNETIC COMBAT INTEL SPT	4			2,623	1,817	U
182	41115F C-130 AIRLIFT SQUADRONS (IF)	4	9,000	14,944	688	486	U
183	41118F C-141 AIRLIFT SQUADRONS (IF)	4	7,000		1,282	1,948	U
184	41119F C-5 AIRLIFT SQUADRONS (IF)	4	10,935	15,541	8,077	3,997	U
185	41123F MILITARY AIRLIFT GROUP (IF)	4				879	U

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FY 1983 R D T & E PROGRAM

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APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	THOUSANDS OF DOLLARS	
186	41314F OPERATIONAL SUPPORT AIRLIFT	4			2,557			
	TACTICAL PROGRAMS		1,453,702	1,777,724	2,218,002	2,314,418		
187	63431F SPACE COMMUNICATIONS	5	31,021	66,151	52,349	53,934	U	
188	63735F WWMCCS ARCHITECTURE	5	13,373	8,966			U	
189	64778F NAVSTAR GPS USER EQUIPMENT	5	126,214	165,377	122,837	98,927	U	
190	65708F AIRCRAFT NAVIGATION SYS VERIF	5	1,577	1,694			U	
191	31313F DEFENSE DISSEMINATION PROGRAM	5	9,490	1,700			U	
192	31314F INFRARED PROCESSING + EXPLOITATION	5		2,400			U	
193	31315F MISSILE AND SPACE TECH COLLECTION	5	19,596	15,700	651	1,580	U	
194	31316F TECHNICAL SENSOR COLLECTION	5			2,000	21,071	U	
195	31317F SENIOR YEAR OPERATIONS	5						
196	31324F FOREST GREEN	5	28,494	21,200	31,802	41,627	U	
197	31357F INTEG OPERATIONAL NUDETS DETECT SYS	5		4,500	1,996	1,099	U	
198	33110F DEF SATELLITE COMM SYS	5	35,093	40,149	53,126	25,815	U	
199	33126F LONG-HAUL COMMUNICATIONS (DCS)	5	10,854	7,970	9,537	10,337	U	
200	33144F ELECTROMAG COMPATIBILITY ANAL CTR	5	6,091	6,880	7,251	7,239	U	
201	33401F COMMUNICATIONS SECURITY	5	3,538	1,594	1,621	1,593	U	
202	34111F SPECIAL ACTIVITIES	5	687,506	942,933	1,128,400	1,036,100	U	
203	35114F TRAFFIC CNTRL/APPROACH/LANDING SYS	5	2,997	5,280	5,060	3,907	U	
204	35156F SUPPORT PROGRAM	5						

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DEPARTMENT OF THE AIR FORCE
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
205	35165F NAVSTAR GPS (SPACE/GRD SEGMENTS)	5				29,560 U
	INTELLIGENCE AND COMMUNICATIONS		984,978	1,305,352	1,418,213	1,334,519
206	63248F CONCEPT DEVELOPMENT	6			984	3,275 U
207	63401F SPACE VEHICLE SUBSYSTEMS	6	9,870		4,339	6,523 U
208	63402F SPACE TEST PROGRAM	6	40,978	42,639	62,573	73,738 U
209	63406F ADV MIL SPACEFLIGHT CAPABILITY	6			2,670	3,366 U
210	63438F SATELLITE SYS SURVIVABILITY	6		11,058	22,525	38,304 U
211	63707F WEATHER SYSTEMS	6	2,663	2,889	3,438	3,367 U
212	64211F ADV AERIAL TARGETS DEV	6	16,698	12,254	13,856	14,193 U
213	64227F FLIGHT SIMULATOR DEVELOPMENT	6	5,549	11,258	5,439	8,456 U
214	64411F SPACE SHUTTLE	6	246,265	266,000	355,629	293,068 U
215	64707F WEATHER SYSTEMS	6	3,593	3,786	4,064	8,417 U
216	64735F RANGE IMPROVEMENT	6	11,909	22,615	25,311	22,933 U
217	64747F ELECTROMAG RADIATION TEST FACIL	6	3,756	3,088	7,487	7,459 U
218	64755F IMPROVED CAPABILITY FOR DT+E	6			46,478	59,423 U
219	65101F PROJECT AIR FORCE	6	12,902	13,748	16,231	16,954 U
220	65304F ACQ/COMD SPT - TELECOM	6	4,447	4,682	4,764	5,034 U
221	65306F RANCH HAND II EPIDEMIOLOGY STUDY	6		3,885	840	5,234 U
222	65708F AIRCRAFT NAVIGATION SYS VERIF	6			15,590	18,095 U
223	65806F ACQUISITION AND COMMAND SUPPORT	6	236,046	241,702	269,229	274,306 U
224	65807F TEST AND EVALUATION SPT	6	334,687	360,773	354,273	383,229 U

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FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 3600 F RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C

ITEM NOMENCLATURE

LINE NO	PROGRAM ELEMENT NUMBER
1	1
2	2
3	3
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ACT

FY 1981

FY 1982

FY 1983

FY 1984 C

225	65808F	ADV SYS ENGINEERING/PLAN	6	4,091	4,981	5,443	5,894 U
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226	65872F	PRODUCTIVITY IMPROVEMENT	6	2,201	2,271	U
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227	65890F	INSTL AUDIGVISUAL SPT (R/D)	6	5,064	4,420	5,622	5,756 U
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22A	6589AE	MGT HQ (RESEARCH/DEV)	6	32,246	32,440	35,341	35,766 U
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229	25110F	SATELLITE CONTROL FACILITY	6	15,387	67,645	60,219	66,350 U
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CEILING	SPACE BOOSTERS		
330	5	29,394	19,228
330	5	29,394	15,011
330	5	29,394	10,623

UNIT	OPERATIONS CENTER	3-781	19,427	32,116	59,328 U
001	CE-100E	6			

Country	Year	Value
China	2000	35,370
China	2001	35,370
China	2002	35,370
China	2003	35,370
China	2004	35,370
China	2005	35,370
China	2006	35,370
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China	2008	35,370
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China	2103	35,370
China	2104	35,370
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China	2106	35,370
China	2107	35,370
China	2108	35,370
China	2109	35,370
China	2110	35,370
China	2111	35,370
China	2112	

Category	Amount	Current	Future
Category 1	15,000	16,419	40,346
Category 2	20,151	20,151	40,346
Category 3	15,000	16,419	40,346
Category 4	20,151	20,151	40,346
Category 5	15,000	16,419	40,346
Category 6	20,151	20,151	40,346
Category 7	15,000	16,419	40,346
Category 8	20,151	20,151	40,346
Category 9	15,000	16,419	40,346
Category 10	20,151	20,151	40,346
Category 11	15,000	16,419	40,346
Category 12	20,151	20,151	40,346
Category 13	15,000	16,419	40,346
Category 14	20,151	20,151	40,346
Category 15	15,000	16,419	40,346
Category 16	20,151	20,151	40,346
Category 17	15,000	16,419	40,346
Category 18	20,151	20,151	40,346
Category 19	15,000	16,419	40,346
Category 20	20,151	20,151	40,346
Category 21	15,000	16,419	40,346
Category 22	20,151	20,151	40,346
Category 23	15,000	16,419	40,346
Category 24	20,151	20,151	40,346
Category 25	15,000	16,419	40,346
Category 26	20,151	20,151	40,346
Category 27	15,000	16,419	40,346
Category 28	20,151	20,151	40,346
Category 29	15,000	16,419	40,346
Category 30	20,151	20,151	40,346
Category 31	15,000	16,419	40,346
Category 32	20,151	20,151	40,346
Category 33	15,000	16,419	40,346
Category 34	20,151	20,151	40,346
Category 35	15,000	16,419	40,346
Category 36	20,151	20,151	40,346
Category 37	15,000	16,419	40,346
Category 38	20,151	20,151	40,346
Category 39	15,000	16,419	40,346
Category 40	20,151	20,151	40,346
Category 41	15,000	16,419	40,346
Category 42	20,151	20,151	40,346
Category 43	15,000	16,419	40,346
Category 44	20,151	20,151	40,346
Category 45	15,000	16,419	40,346
Category 46	20,151	20,151	40,346
Category 47	15,000	16,419	40,346
Category 48	20,151	20,151	40,346
Category 49	15,000	16,419	40,346
Category 50	20,151	20,151	40,346
Category 51	15,000	16,419	40,346
Category 52	20,151	20,151	40,346
Category 53	15,000	16,419	40,346
Category 54	20,151	20,151	40,346
Category 55	15,000	16,419	40,346
Category 56	20,151	20,151	40,346
Category 57	15,000	16,419	40,346
Category 58	20,151	20,151	40,346
Category 59	15,000	16,419	40,346
Category 60	20,151	20,151	40,346
Category 61	15,000	16,419	40,346
Category 62	20,151	20,151	40,346
Category 63	15,000	16,419	40,346
Category 64	20,151	20,151	40,346
Category 65	15,000	16,419	40,346
Category 66	20,151	20,151	40,346
Category 67	15,000	16,419	40,346
Category 68	20,151	20,151	40,346
Category 69	15,000	16,419	40,346
Category 70	20,151	20,151	40,346
Category 71	15,000	16,419	40,346
Category 72	20,151	20,151	40,346
Category 73	15,000	16,419	40,346
Category 74	20,151	20,151	40,346
Category 75	15,000	16,419	40,346
Category 76	20,151	20,151	40,346
Category 77	15,000		

Year	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																				
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TOTAL	7,133,347	8,876,310	11,220,400	11,448,035
RESEARCH DEVELOPMENT	7,133,347	8,876,310	11,220,400	11,448,035
TEST + EVAL				
AIR FORCE				

TOTAL RESEARCH DEVELOPMENT TEST + EVAL, AIR FORCE

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UNCLASSIFIED

DEFENSE AGENCIES

UNCLASSIFIED

DEFENSE AGENCIES
FY 1983 R O T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

SUMMARY

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY RECAP OF RESEARCH CATEGORIES				
RESEARCH	102,414	93,050	113,900	146,824
EXPLORATORY DEVELOPMENT	671,864	836,843	963,200	1,158,501
ADVANCED DEVELOPMENT	15,054	17,166	19,125	19,984
ENGINEERING DEVELOPMENT	5,883	6,034	10,082	12,667
MANAGEMENT AND SUPPORT	44,585	46,450	62,600	67,349
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	839,800	999,543	1,168,907	1,405,325
OPERATIONAL SYSTEMS DEVELOPMENT	469,148	698,103	1,090,993	1,506,744
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,308,948	1,697,646	2,259,900	2,912,069
SUMMARY RECAP OF BUDGET ACTIVITIES				
TECHNOLOGY BASE	774,278	929,893	1,077,100	1,305,325
STRATEGIC PROGRAMS	38,224	84,341	86,100	70,245
TACTICAL PROGRAMS	451,861	634,243	1,033,400	1,468,404
INTELLIGENCE AND COMMUNICATIONS	44,585	46,450	62,600	67,349
DEFENSEWIDE MISSION SUPPORT				
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,308,948	1,697,646	2,259,900	2,912,069
SUMMARY RECAP OF FYDP PROGRAMS				
GENERAL PURPOSE FORCES	469,148	2,719	700	746
INTELLIGENCE AND COMMUNICATIONS	839,800	695,384	1,090,293	1,505,998
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)		999,543	1,168,907	1,405,325
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,308,948	1,697,646	2,259,900	2,912,069
SUMMARY RECAP OF DEFENSE AGENCIES				
DEFENSE MAPPING AGENCY	20,148	20,900	31,800	34,144
DEPARTMENT OF DEFENSE (OSD AND OASDS)	21,293	676,262	756,800	954,154
DEFENSE ADVANCED RESEARCH PROJECTS AGENCY	580,184			
NATIONAL SECURITY AGENCY	199,771	259,757	326,600	357,547
DEFENSE NUCLEAR AGENCY		105,260	107,725	93,087
DEFENSE RECONNAISSANCE SUPPORT PROGRAM	52,603			
DEFENSE COMMUNICATIONS AGENCY		17,774	22,700	25,005
DEFENSE INTELLIGENCE AGENCY	16,215	1,650	1,800	1,824
DEFENSE LOGISTICS AGENCY	1,400			
UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES				
TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES	1,308,948	1,697,646	2,259,900	2,912,069

UNCLASSIFIED

DEFENSE AGENCIES
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

DATE: 08 FEB 1982

PROGRAM
ELEMENT
NO NUMBER

ITEM NOMENCLATURE

THOUSANDS OF DOLLARS

ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	E
1	1	101,014	91,400	112,100	145,000 U
2	1	1,400	1,650	1,800	1,824 U
3	1	3,145	3,000	3,300	3,600 U
4	1	125,354	148,631	151,900	160,000 U
5	1	84,348	80,415	93,900	126,200 U
6	1		32,500	31,000	31,000 U
7	1	32,752	45,400	55,300	62,800 U
8	1	199,449	237,040	268,500	375,554 U
9	1	11,977	13,300	15,400	19,300 U
10	1	15,068	16,800	17,300	22,500 U
11	1	199,771	259,757	326,600	357,547 U
		774,278	929,893	1,077,100	1,305,325
12	3	789	1,166	1,262	1,400 U
13	3	5,284	9,278	7,906	8,570 U
14	3	5,787	14,261	23,355	19,955 U
15	3	22,774	49,269	43,732	29,327 U
16	3	3,590	6,483	9,845	10,993 U

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UNCLASSIFIED

UNCLASSIFIED

DEFENSE AGENCIES
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	THOUSANDS OF DOLLARS
17	33152K WMMCCS INFORMATION SYSTEM	3	38,224	3,884	86,100	70,245	U
STRATEGIC PROGRAMS							
18	21135K CINC C2 INITIATIVES	4		2,719	700	746	U
19	63701B MAP/CHART/GEODESY INV/PROTOTYPE DEV	5	14,265	16,000	17,863	18,584	U
20	64701B MAP/CHART/GEODESY ENGR DEV/TEST	5	5,883	6,034	10,082	12,667	U
21	310110 CRYPTOLOGIC ACTIVITIES	5					
22	31301L GENERAL DEFENSE INTELLIGENCE PROGRAM	5					
23	33126K LONG-HAUL COMMUNICATIONS (DCS)	5	14,379	18,200	18,935	19,136	U
24	33127K SUPPORT OF THE NCS	5			1,990	2,960	U
25	334010 COMMUNICATIONS SECURITY	5					
26	35159B DEFENSE RECONNAISSANCE SUPPORT PROGRAM	5					
27	35159I DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5					
28	351670 COMPUTER SECURITY	5					
29	358850 TACTICAL CRYPTOLOGIC ACTIVITIES	5	451,861	634,243	1,033,400	1,468,404	
INTELLIGENCE AND COMMUNICATIONS							
30	65104D TECHNICAL SUPPORT TO USDR/E	6	11,200	12,100	16,649	19,719	U
31	65106D GENERAL SUPPORT FOR PA/E	6	2,205	2,200	3,712	4,294	U
32	65107D SUPPORT TO POLICY	6	3,355	2,100	4,419	1,652	U
33	65108D GENERAL SUPPORT FOR NET ASSESSMENT	6	1,918	1,900	4,006	4,847	U
	65109D GENERAL SUPPORT FOR MRA/L	6	2,615	2,600	3,014	3,632	U

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UNCLASSIFIED

UNCLASSIFIED

DEFENSE AGENCIES
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
35	65801S DEFENSE TECHNICAL INFO CENTER	6	13,233	14,574	17,560	18,343 U
36	65802S INFORMATION ANALYSIS CENTERS	6	2,982	3,200	5,140	6,662 U
37	65898E MGT HQ (RESEARCH/DEVELOPMENT)	6	7,077	7,776	8,100	8,200 U
	DEFENSEWIDE MISSION SUPPORT		44,585	46,450	62,600	67,349

TOTAL RESEARCH DEVELOPMENT TEST + EVAL, DEF AGENCIES

1,308,948 1,697,646 2,259,900 2,912,069

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DEFENSE AGENCIES
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

DATE: 08 FEB 1982

SUMMARY

THOUSANDS OF DOLLARS

	FY 1981	FY 1982	FY 1983	FY 1984
SUMMARY RECAP OF RESEARCH CATEGORIES				
MANAGEMENT AND SUPPORT	42,100	53,000	60,000	63,702
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	42,100	53,000	60,000	63,702
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	42,100	53,000	60,000	63,702
SUMMARY RECAP OF BUDGET ACTIVITIES				
DEFENSEWIDE MISSION SUPPORT	42,100	53,000	60,000	63,702
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	42,100	53,000	60,000	63,702
SUMMARY RECAP OF FYDP PROGRAMS				
RESEARCH AND DEVELOPMENT (FYDP PROGRAM 6)	42,100	53,000	60,000	63,702
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE	42,100	53,000	60,000	63,702

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DEFENSE AGENCIES
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0450 D DIRECTOR OF TEST + EVALUATION, DEFENSE

DATE: 08 FEB 1982

PROGRAM
LINE ELEMENT
NO NUMBER

ITEM NOMENCLATURE

THOUSANDS OF DOLLARS

	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	
1 65111D FOREIGN WEAPONS EVALUATION	6	9,150	10,900	11,600	13,314	U
2 65804D TEST AND EVALUATION	6	32,950	42,100	48,400	50,388	U
DEFENSEWIDE MISSION SUPPORT		42,100	53,000	60,000	63,702	
TOTAL DIRECTOR OF TEST + EVALUATION, DEFENSE		42,100	53,000	60,000	63,702	

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DEFENSE MAPPING AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

RESEARCH & EVALUATION OF DEFENSE AGENCIES

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM	FY 1982	FY 1983	FY 1984 C
INTELLIGENCE			
OPERATIONS			
PERSONNEL			
PLANNING			
RESEARCH & DEVELOPMENT			
SUPPORT			
TOTAL			

LINE NO	PROGRAM ELEMENT NUMBER
1	1
2	2
3	3
4	4
5	5
6	6
7	7
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9	9
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95	95
96	96
97	97
98	98
99	99
100	100

ITEM NOMENCLATURE

ACT

FY 1981

FY 1982

FY 1983

FY 1984 C

40 62701B MAB/CHART/GEODESY INV/PROTOTYPE DEV

14,265

16,000

17,863

18.584 U

20 64701B MAP/CHART/GEODESY ENGR DEV/TEST

10

3885

6.034

10.082

12 667 U

DEFENSE RECONNAISSANCE SUPPORT PROGRAM

K

INTELLIGENCE AND COMMUNICATIONS

TOTAL DEFENSE MAPPING AGENCY

20,148

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DEPARTMENT OF DEFENSE (OSD AND OASDS)
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983	FY 1984 U	
30	65104D TECHNICAL SUPPORT TO USDR/E	6	11,200	12,100	16,649	19,719	U
31	65106D GENERAL SUPPORT FOR PA/E	6	2,205	2,200	3,712	4,294	U
32	65107D SUPPORT TO POLICY	6	3,355	2,100	4,419	1,652	U
33	65108D GENERAL SUPPORT FOR NET ASSESSMENT	6	1,918	1,900	4,006	4,847	U
34	65109D GENERAL SUPPORT FOR MRA/L	6	2,615	2,600	3,014	3,632	U
	DEFENSEWIDE MISSION SUPPORT		21,293	20,900	31,800	34,144	
	TOTAL DEPARTMENT OF DEFENSE (OSD AND OASDS)		21,293	20,900	31,800	34,144	

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DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	THOUSANDS OF DOLLARS
1	61101E DEFENSE RESEARCH SCIENCES	1	101,014	91,400	112,100	145,000 U	
3	62101E TECHNICAL STUDIES	1	3,145	3,000	3,300	3,600 U	
4	62301E STRATEGIC TECHNOLOGY	1	125,354	148,631	151,900	160,000 U	
5	62702E TACTICAL TECHNOLOGY	1	84,348	80,415	93,900	126,200 U	
6	62707E PARTICLE BEAM TECHNOLOGY	1		32,500	31,000	31,000 U	
7	62708E INTEGRATED CMD/CONTROL TECH	1	32,752	45,400	55,300	62,800 U	
8	62711E EXPERIMENTAL EVAL MAJ INNOVATIVE TECH	1	199,449	237,040	268,500	375,554 U	
9	62712E MATERIALS PROCESSING TECH	1	11,977	13,300	15,400	19,300 U	
10	62714E NUCLEAR MONITORING	1	15,068	16,800	17,300	22,500 U	
	TECHNOLOGY BASE		573,107	668,486	748,700	945,954	
37	65898E MGT HQ (RESEARCH/DEVELOPMENT)	6	7,077	7,776	8,100	8,200 U	
	TOTAL DEFENSE ADVANCED RESEARCH PROJECTS AGENCY		580,184	676,262	756,800	954,154	

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NATIONAL SECURITY AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM
LINE ELEMENT
NO NUMBER

ITEM NOMENCLATURE

ACT

FY 1981

FY 1982

FY 1983

FY 1984 C

S

E

C

21 310110 CRYPTOLOGIC ACTIVITIES

5

25 334010 COMMUNICATIONS SECURITY

5

28 351670 COMPUTER SECURITY

5

29 358850 TACTICAL CRYPTOLOGIC ACTIVITIES

5

INTELLIGENCE AND COMMUNICATIONS

TOTAL NATIONAL SECURITY AGENCY

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DEFENSE NUCLEAR AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	THOUSANDS OF DOLLARS				FY 1984 C
			FY 1981	FY 1982	FY 1983		
11	62715H DEFENSE NUCLEAR AGENCY	1	199,771	259,757	326,600		357,547 U
TOTAL	DEFENSE NUCLEAR AGENCY		199,771	259,757	326,600		357,547

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DEFENSE RECONNAISSANCE SUPPORT PROGRAM
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO NUMBER	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C
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27	351501 DEFENSE RECONNAISSANCE SUPPORT ACTIVITIES	5				
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TOTAL DEFENSE RECONNAISSANCE SUPPORT PROGRAM

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DEFENSE COMMUNICATIONS AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	
12	63735K WMMCCS ARCHITECTURE	3	789	1,166	1,262	1,400	U
13	32016K NMCS-WIDE SUPPORT	3	5,284	9,278	7,906	8,570	U
14	32017K WMMCCS ADP-JTSA	3	5,787	14,261	23,355	19,955	U
15	32019K WMMCCS SYSTEM ENGINEER	3	22,774	49,269	43,732	29,327	U
16	33131K MINIMUM ESSENTIAL EMER COMM NETWORK	3	3,590	6,483	9,845	10,993	U
17	33152K WMMCCS INFORMATION SYSTEM	3		3,884			U
	STRATEGIC PROGRAMS		38,224	84,341	86,100	70,245	
18	21135K CINC C2 INITIATIVES	4		2,719	700	746	U
23	33126K LONG-HAUL COMMUNICATIONS (DCS)	5	14,379	18,200	18,935	19,136	U
24	33127K SUPPORT OF THE NCS	5			1,990	2,960	U
	INTELLIGENCE AND COMMUNICATIONS		14,379	18,200	20,925	22,096	
TOTAL	DEFENSE COMMUNICATIONS AGENCY		52,603	105,260	107,725	93,087	

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DEFENSE INTELLIGENCE AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984 C	THOUSANDS OF DOLLARS
22	31301L GENERAL DEFENSE INTELLIGENCE PROGRAM	5					
TOTAL DEFENSE INTELLIGENCE AGENCY							

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DEFENSE LOGISTICS AGENCY
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM LINE ELEMENT NO	ITEM NOMENCLATURE	ACT	FY 1981	FY 1982	FY 1983	FY 1984	
35	65801S DEFENSE TECHNICAL INFO CENTER	6	13,233	14,574	17,560	18,343	U
36	65802S INFORMATION ANALYSIS CENTERS	6	2,982	3,200	5,140	6,662	U
	DEFENSEWIDE MISSION SUPPORT		16,215	17,774	22,700	25,005	
TOTAL	DEFENSE LOGISTICS AGENCY		16,215	17,774	22,700	25,005	

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UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES
FY 1983 R D T & E PROGRAM

EXHIBIT R-1

APPROPRIATION: 0400 D RESEARCH DEVELOPMENT TEST & EVAL DEF AGENCIES

DATE: 08 FEB 1982

THOUSANDS OF DOLLARS

PROGRAM
LINE ELEMENT
NO NUMBER

ITEM NOMENCLATURE

ACT

FY 1981

FY 1982

FY 1983

FY 1984 C

\$

2 61101W IN-HOUSE LAB INDEPENDENT RESEARCH 1 1,400 1,650 1,800 1,824 U

TOTAL UNIFORMED SERVICES UNIVERSITY HEALTH SCIENCES

1,824

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